Active Pharma Ingredients - Commercial									
Product	USDMF	CEP	EDMF	C-DMF	CA-DIFA	KDMF	RUSSIA	OTHERS	Therapeutic Use
Apixaban	√		*	*	√	V	*	* TDMF, JDMF	Anticoagulant
Aripiprazole	√	$\sqrt{}$	*	*	*	$\sqrt{}$		* JDMF	Antipsychotic, Antidepressant
Articaine Hcl		$\sqrt{}$	*			$\sqrt{}$	*		Dental Anesthetic
Atomoxetine HcI	√	$\sqrt{}$	*	√				TDMF, Canada	ADHD
Baclofen	√	$\sqrt{}$	*	*	*	$\sqrt{}$	*	* JDMF	Skeletal Muscle Relaxant
Bempedoic Acid	*								Antilipemic agent
Benserazide		$\sqrt{}$							Antifibrinolytic
Betahistine DiHcl		$\sqrt{}$	*	√	√				AntiVertigo
Cannabidiol	*								Anticonvulsant, Antipsychotic, Muscle relaxant
Dapagliflozin Propanediol Monohydrate	V			*	V	$\sqrt{}$			Antidiabetic
Dexmethylphenidate Hcl								Tech Pack	ADHD
Diflunisal	√		*	√					NSAID
Dipyridamole	√	$\sqrt{}$	*	√	*	$\sqrt{}$	√	TGA	Antiplatelet
Doxazosin Mesylate		$\sqrt{}$	*	√			√		Antihypertensive
Drotaverine Hcl			√	*			<b>√</b>		Antispasmodic
Entacapone	√	$\sqrt{}$	*	√	√	$\sqrt{}$	*	TDMF, *JDMF	Antiparkinson
Flurbiprofen		$\sqrt{}$	*			$\sqrt{}$		* JDMF	NSAID
Fluvoxamine Maleate	√	$\sqrt{}$	*	*	*	*	*	TDMF	Antidepressant
Hydralazine Hcl	√			*	*	*		* JDMF	Antihypertensive
Lamotrigine	√	$\sqrt{}$	*	√	√	$\sqrt{}$	*	* JDMF	Antiepileptic
Levodropropizine		$\sqrt{}$							Anti-anginal, Antihypertensive, Cardiotonic
_evomepromazine Maleate		$\sqrt{}$	*						Antipsychotic
_urasidone Hcl	√								Antipsychotic
_isdexamfetamine dimesylate					√				ADHD
Maraviroc	√							TDMF	Antiretroviral
Mebeverine		$\sqrt{}$	*	*	*		√	TGA, TDMF	Antispasmodic
Methylphenidate Hcl		$\sqrt{}$	*		√				ADHD
Mexiletine	*	*							Antiarrhythmics
Mexiletine Hcl	√								Antiarrhythmia









Active Pharma Ingredients - Commercial									
Product	USDMF	CEP	EDMF	C-DMF	CA-DIFA	KDMF	RUSSIA	OTHERS	Therapeutic Use
Midazolam	√	V	*		√	V		TDMF	Anesthetic
Midazolam Hcl			√		√				Anesthetic
Midazolam Maleate									Anesthetic
Mirabegron	√					√			Treatment of overactive bladder
Oxolamine Citrate								TDMF	Cough suppressant / Anti Inflammatory
Oxolamine Phosphate									Cough suppressant / Anti Inflammatory
Pirfenidone	√	√	*	√	*	<b>√</b>			AntiInflammatory, Antirheumatic
Posaconazole	$\sqrt{}$		*	*	*	*	*	* JDMF	Antifungal
Quetiapine Fumarate	√	V	*	*	√	V		TGA	Antipsychotic
Ractopamine HcI	√							Canada	β - Adrenergic Agonist (V)
Rivaroxaban	√	V	*	*	√	√	*	* JDMF	Anticoagulant
Tamsulosin Hcl	√	V	*	√			√	TDMF	Benign Prostatic Hyperplasia
Tapentadol Phosphate			√						Anesthetic
Ticagrelor	√	√	*	*		√		* JDMF	Platelet aggregation inhibitor
Trimetazidine dihydrochloride		*							Antianginal
Venlafaxine Hcl	√	√	*	√	*	*	*	* JDMF	Antidepressant
Zilpaterol									β2 adrenergic agonist
Zonisamide **	√		√			√		TDMF, JDMF	Anticonvulsant
Zonisamide ##	√			√					Anticonvulsant

Active Pharma Ingredients - Under Development / Evaluation						
Product	Therapeutic Use	Status				
Buspirone	Anti anxiety	Under Evaluation				
Dabigatran Etexilate Mesylate	Antihypertensive	Under Validation				
Desvenlafaxine	Antithrombotic	Under Evaluation				
Lercanidipine	Antidepressant, Anxiolytic	Under Evaluation				
Loxoprofen	Antitussive, Cough suppressant	Under Evaluation				
Moxonidine	Antihypertensive	Under Evaluation				
Oxymetazoline	Decongestant, Vasoconstrictor	Under Validation				
Remimazolam Besylate	Sedative, General Anesthetic	Under Validation				
Trazodone	Antidepressant	Under Evaluation				
Trimebutine Maleate	Antimuscarinic Agent	Under Evaluation				







# **Oncology Portfolio**

Antibody Drug Conjugates (ADC's) - Payloads							
Product	Use	Current Status	CAS No.				
7-Ethyl-10-hydroxycamptothecin (SN-38)	Payload Intermediate	Commercial	86639-52-3				
(S)-8-Ethyl-8-hydroxy-2,3,5,8-tetrahydro-6-oxa-3a-aza	Payload Intermediate	Commercial	110351-94-5				
-cyclopenta [b]naphthalene-1,4,7-trione (S-trione)							
MMAE (Auristatin)	ADC payloads	Sample Available	474645-27-7				
Exatecan Mesylate Di-hydrate	ADC payloads	Under Development	197720-53-9				
MMAF (Auristatin)	ADC payloads	Under Development	745017-94-1				
DM1 (Maytansinoid)	ADC payloads	Under Development	1018448-65-1				
DM4 (Maytansinoid)	ADC payloads	Under Development	1453084-37-1				
SN-22	ADC payloads	Technology Available. Can be taken-up on request	17403-07-5				
Silatecan	ADC payloads	Technology Available. Can be taken-up on request	220913-32-6				
Rubitecan	ADC payloads	Technology Available. Can be taken-up on request	91421-42-0				
Belotecan	ADC payloads	Technology Available. Can be taken-up on request	213819-48-8				

Active Pharma Ingredients							
Product	Plant Validation	Current Status	CAS No.				
Irinotecan Hydrochloride	Completed	Commercial	136572-09-3				
Lenalidomide (Form-I, Form-B, Form-A*)		Commercial	847871-99-2 (Form B)				
Methotrexate	Q1 2024	Under Development	59-05-2				
Topotecan Hydrochloride		Under Development	119413-54-6				

Intermediates							
Product	Use	Current Status	CAS No.				
3 -Amino-Piperidine-2,6-Dione HCI	Lenalidominde	Commercial	24666-56-6				
3-Nitro-2- Bromomethyl Methyl Benzoate	Lenalidominde	Commercial	98475-07-1				
2'-Amino-5'-hydroxypropiophenone (AHP)	Irinotecan	Commercial	35364-15-9				
N-(4-(methylamino)benzoyl)-l-glutamic acid diethyl ester	Methotrexate	Commercial	2378-95-2				









Intermediates List		
Product	CAS Number	End Use
Phenyl-(2-pyridyl acetamide)	7251-52-7	Methylphenidate
Phenyl-2-(2'-piperidyl) acetamide	19395-39-2	Methylphenidate
threo-phenyl-2-piperidyl acetamide*	50288-62-5	Methylphenidate
dl-threo-Ritalinic acid*	54631-24-2	Methylphenidate
d-threo-Ritalinic acid HCI*	741705-70-4	Dex Methylphenidate
Tert-butyl N-[(2S)-6-[(2-methylpropan-2-yl)oxycarbonylamino]-1-oxo-1-[[(2S)-1-phenylpropan	819871-13-1	Lisdexamfetamine dimesylate
-2-yl]amino]hexan-2-yl]carbamate (Lisdexamfetamine Intermediate (LDX-I)	019071-13-1	Lisue Admiretamine uninesyrate
2-aminomethyl-7-chloro-2,3-dihydro-5-(2-fluorophenyl)-1h-1,4-benzodiazepine dimaleate	59469-29-3	Midazolam
2-[(2S)-oxiran-2-ylmethyl]-1H-isoindole-1,3(2H)-dione	161596-47-0	Rivaroxaban
5-chlorothiophene-2-carboxylic acid	24065-33-6	Rivaroxaban
(2S, 3R)-1-(Dimethylamino)-3-(3-methoxyphenyl)-2-methyl-3-pentanol	809282-20-0	Tapentadol HCL/ Tapentadol Phosphat
3-Methoxy propiophenone	37951-49-8	Tapentadol HCL/ Tapentadol Phosphat
3-Hydroxy propiophenone	13103-80-5	Tapentadol Phosphate
2-(2,3-Dichlorphenyl)-2-(guanidinylimino)acetonitrile (Schiff Base)	84689-20-3	Lamotrigine
Methyl Olivetolate	58016-28-7	Cannabidiol
Olivetol	500-66-3	Cannabidiol
Menthadienol (MTH)	22972-51-6	Cannabidiol and Dronabinol family
4-Amino-2-chloro-6,7-dimethoxyquinazoline	23680-84-4	Doxazosin Mesylate
Methyl 3-((3S)-7-bromo-2-((2-hydroxypropyl)amino)-5-(pyridin-2-yl)-3H-benzo[e][1,4]	000040 54 4	D : 1 D 11
diazepin-3-yl)propanoate (REM-II)	308243-54-1	Remimazolam Besylate
(S)-2-((S)-4-methyl-2-((S)-2-(2-morpholinoacetamido)-4-phenylbutanamido)pentanamido)-3-	000540 40 0	O and language
phenyipropanoic acid	868540-16-3	Carfilzomib
(S)-2-amino-4-methyl-1-((R)-2-methyloxiran-2-yl)pentan-1-one trifluoroacetic acid salt	247068-85-5	Carfilzomib
(5-Bromo-2-chlorophenyl)(4-ethoxyphenyl)methanone	461432-22-4	Dapagliflozin and Ertugliflozin
5-Bromo-2-chloro-4'-ethoxydiphenylmethane	461432-23-5	Dapagliflozin and Ertugliflozin
(S)-8-Ethyl-8-hydroxy-2,3,5,8-tetrahydro-6-oxa-3a-aza-cyclopenta [b]naphthalene-1,4,7-trione	110351-94-5	Irinotecan
2'-Amino-5'-hydroxypropiophenone	35364-15-9	Irinotecan
7-Ethyl-10-hydroxycamptothecin (SN-38)	86639-52-3	Irinotecan
10-Hydroxycamptothecin	19685-09-07	Topotecan
4-Fluoro-2-methoxy-5-nitroaniline	1075705-01-9	Osimertinib
N-(4-Fluoro-2-methoxy-5-nitrophenyl)-4-(1-methyl-1H-indol-3-yl)-2-pyrimidinamine	1421372-94-2	Osimertinib
2-Amino-5-bromobenzaldehyde	29124-57-0	
2-phenylpyridine	1008-89-5	
3-Bromopyridazine Hydrobromide		
3-Hydroxyazetidine hydrochloride	18621-18-6	
6-Hydroxy-1,2,3,4-tetrahydroisoquinoline	14446-24-3	
Trimethylsulfoxonium chloride	5034-06-0	
Tri-tert-butylphosphoniumtetrafluoroborate	131274-22-1	







		Pre Form	nulation Inter	mediates	(Pellets	s)				
Product name	DMF/ Techpack	Bio equivalence established	Type of BE study	RLD/ Market	Stability	Brazil	Turkey	Mexico	MENA	APAC
Duloxetine DR Pellets 17% (HPMC Phthalate)	DMF	No		Cymbalta	6M	DMF <sup>#</sup>		DMF <sup>#</sup>	Yes	
Duloxetine HCI DR Pellets 20% (HPMC Acetyl succinate)	DMF	Yes	Fast & Fed	Cymbalta/ EU	36M		Yes	Yes		
Duloxetine HCl DR Pellets 20% (HPMC Phthalate)	DMF	Yes	Fast & Fed	Cymbalta/ EU	36M	Yes	Yes			
Fenofibrate SR Pellets 75%	DMF	No			36M	Yes			Yes	
Fenofibric acid DR Pellets 29%	DMF	No			6M		Yes			
Itraconazole IR Pellets 21.74%	DMF	Yes	Fast & Fed	Sporanox/ US	24M			Yes		Yes
Itraconazole IR Pellets 22%	DMF	No			36M	Yes		Yes	Yes	
Lansoprazole Pellets 8.5%	DMF	No *		*Customer established BE in TR	36M	Yes	Yes		Yes	Yes
Mebeverine HCI IR Pellets 40%	DMF	No			36M				Yes	
Mebeverine HCI IR Pellets 46%	DMF									
Mebeverine HCI SR Pellets 72%	DMF	No			24M					
Mebeverine HCI SR Pellets 80%	DMF	Yes	Fast & Fed MDD/SS	Colofac & MR/EU	36M			Yes	Yes	
Methylphenidate HCI ER Pellets 11%	DMF	Yes	Fast & Fed	Ritalin LA/BR	6M (Mar/24)	DMF <sup>#</sup>				
Metoprolol SR Pellets 66%	DMF	No *		*Customer established BE in TR	36M		Yes			
Omeprazole DR Pellets 8.5% (LD-30)	DMF	No			36M			Yes	Yes	Yes
Omeprazole Pellets 8.5% (Phthalate)	DMF	No			36M	Yes	Yes	Yes		
Orlistat IR Pellets 50% (Extrudes)	DMF	No		Xenical/EU	36M	Yes		Yes		
Posaconazole Granules 16.39%	DMF	Yes	Fast & Fed US	NOXAFIL NA	24M					









Pre Formulation Intermediates (Pellets)										
Product name	DMF/ Techpack	Bio equivalence established	Type of BE study	RLD/ Market	Stability	Brazil	Turkey	Mexico	MENA	APAC
Tamsulosin ER Pellets 0.12%	NA	Yes	Fast & Fed US, CAN	Flomax/ NA	6M (May/24)			Yes		
Tamsulosin HCI ER Pellets 0.2%	DMF	No			36M	Yes	Yes	Yes	Yes	Yes
Venlafaxine HCI ER Pellets 33% (Brazil)	DMF	No			36M	Yes				
Venlafaxine HCI ER Pellets 33% (Regular composition)	DMF	No	Fast & Fed	Effexor/ TR	48M		Yes	Yes		
Venlafaxine HCl ER Pellets 33% (Turkey)	DMF	Yes	Fast & Fed & MDD/SS	Effexor/ EU	6M*		Yes			

Pre Formulation Intermediates - Under Development								
Product name	DMF/Techpack	Bio equivalence established	Type of BE study	RLD/Market	Stability			
Galantamine HBR ER Pellets, 8%	Tech pack	Yes	Fast/Fed	Reminyl ER/EU	6M			
Dabigatran etexilate SR pellets 36.8% w/w	Tech pack	Yes	Fast	PRADAXA/US	6 M			
Dabigatran etexilate SR pellets 35% w/w	Tech pack	No		PRADAXA/US	6 M			
Dexlansoprazole DR pellets 22.5% w/w	Tech pack	Yes	Fast/Fed	DEXILANT/US	6 M (May/24)			
Dexlansoprazole DR pellets 20% w/w	Tech pack	No		DEXILANT/US	6 M (Jun/24)			
Dipyridamole SR pellets 41.76% w/w	Tech pack	Yes	Fast & Fed	AGGRENOX/US	6 M			
Esomeprazole DR pellets 22.5% w/w	Tech pack	Yes	Fast	NEXIUM/EU	12 M			
Memantine SR pellets 14 % w/w	Tech pack	Yes	Fast & Fed	NAMZARAC/US	6 M			
Trimetazidine Pellets 53 %	Tech pack	No		Vastarel MR /BR/TR				
Tamsulosin HCI SR Pellets, 0.16%	DMF	No			6M (Jun/24)			
Mebeverine HCl SR Pellets, 46%	DMF	No			6M(Jul/24)			







Finished Dosage Formulation (CDMO/ CMO partner)						
Product	Strength	ANDA	EU Dossier	ANDS	Countries for which Dossier are available	
Baclofen Tablets	5mg, 10mg, 20mg	Approved	Not filed	Not filed	Globally	
Cinacalcet Tablets	30mg, 60mg, 90mg	Approved	Approved	Not filed	Except EU	
Doxazosin Tablets	1mg, 2mg, 4mg, 8mg	Approved	Not filed	Approved	Except USA, CA, EU, APAC	
Entecavir Tablets film coated	0.5mg, 1mg	Approved	Approved	Approved	Except USA, EU, CA, SEA, MENA	
Eplerenone Tablets	25mg, 50mg	Approved	Not filed	Not filed		
Esclicarbazepine Tablets	800 mg	Not filed	Approved	Not filed	Except EU	
Itraconazole Capsules	100 mg	Approved	Not filed	Approved	Aus, CA, ROW	
Mebeverine HCl Tablets	135 mg	Not filed	Approved	Approved in Aus	Except UK, Aus, EU	
Mebeverine SR Capsules	200 mg	Not filed	Approved	Not filed	Expect EU	
Meclizine Tablets	12.5mg, 25mg	Not filed	Not filed	Not filed	Globally except Aus & NZ	
Methocarbamol Tablets	500 mg	Approved	Not filed	Not filed	Except USA	
Methocarbamol Tablets film coated	750 mg	Approved	Approved	Not filed	Except USA, Germany	
Posaconazole DR Tablets	100 mg	Approved	Not filed	Not filed	Except USA, MENA	
Propiomazine Tablets	25 mg	Not filed	Approved	Not filed	Except Scandivian countries	
Tamsulosin HCl Capsules	0.4 mg	Approved	Not filed	Approved	Expect CA	









Finished Dosage Formulation - Under Development								
Product	Strength	Status						
Aspirin+Dipyridamole	25/200mg	Proof of concept developed						
Diflunisal Tablets	500 mg	Proof of concept developed						
Dipyridamole Capsules	200 mg	Proof of concept developed						
Solifenacin & Tamsulosin PR Tablets	6mg/0.4mg	Proof of concept developed						
Verapamil HCI SR Capsules	120mg, 180mg, 240mg, 360mg	To be initiated						
Dabigatran Capsules	75 mg, 110 mg, 150 mg	Proof of concept developed						
Dexlansoprazole DR Capsules	30 mg and 60 mg	Proof of concept developed						
Hydralazine HCl Tablets	10 mg, 25 mg, 50 mg and 100 mg	Proof of concept developed						
Methylphenidate HCl ER Capsules	10 mg, 20 mg, 30 mg and 40 mg	Proof of concept developed						
Aripiprazole Oral Dispersible Tablets	2 mg, 5 mg, 10 mg, 15 mg, 20 mg, 30 mg	To be initiated						
Hydralazine Hydrochloride + Isosorbide Dinitrate	20mg/37.5mg	Proof of concept under development						
Lamotrigine Chewable Tablets	2mg, 5mg, 25mg	Proof of concept developed						
Levodopa + Benserazide Dispersible Tablets	50mg +12.5mg, 100mg +25mg	To be initiated						
Levodopa + Benserazide IR Capsules	50mg +12.5mg, 100mg + 25mg, 200mg + 50mg	Proof of concept under development						
Levodopa + Benserazide IR Tablets	50mg +12.5mg, 100mg + 25mg, 200mg + 50mg	Proof of concept under development						
Levodopa + Benserazide PR Capsules	100mg +25mg, 200mg + 50mg	Proof of concept under development						
Nafronyl MR Tabs	100 mg	To be initiated						
Trimetazidine MR Tablets	35 mg	To be initiated						













## **Registered Office**

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## **Corporate Office**

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## **API Manufacturing Sites**

#### **API Unit-I**

R.S. No. 50/1, Mukteswarapuram Village, Jaggaiahpet Mandal, NTR District – 521457, Andhra Pradesh, India.

### **API Unit-II**

Plot No. 27C, Denotified Area, APSEZ, Gurajapalem Village, Rambilli Mandal, Atchutapuram, Anakapalli District -531011, Andhra Pradesh, India.

#### **API Unit-III**

ZCL Chemicals Ltd Plot No: 3102/B, GIDC Estate Ankleshwar, Bharuch Dist, Gujarat, India - 393002

# **API Unit-IV**

AVRA Laboratories Pvt Ltd Plot No.A-21, Road No. 10, IDA Nacharam, Uppal -500076 Telangana, India.

## **API Unit-V**

Avra Laboratories Pvt., Ltd., Plot No.48, Road No.7, J.N.Pharmacity, Parawada, Anakapalli District - 531021 Andhra Pradesh, India.

## API R&D-I

Plot No.8&9B/40, Survey Nos.29,39, 40&41, Mirra Industrial Estate, IDA Phase I, Patancheru, Sangareddy District - 502319, Telangana, India.

### FDF/ PFI/ CR Bio Sites

#### FDF Unit-I

Plot No. A-19/C, A-23A, A-23B, Road No. 18, IDA Nacharam, Uppal Mandal, Medchal – Malkajgiri District – 500076, Telangana, India.

#### FDF Unit-II

Plot No. P1/B, Survey No. 423(P) & 424(P), Green Industrial Park, TSIIC, Polepally Village, Jadcherla Mandal, Mahabubnagar District - 509301, Telangana, India.

## FDF R&D

Plot No.10/8, A-Block, 4th Floor, CDC Towers, Road No.05, IDA, Nacharam Village, Uppal Mandal, Medchal – Malkajgiri District - 500076, Telangana, India.

## **Clinical Research and Biosciences**

Plot No: 26 & 27, Techno Industrial Estate, Balanagar, Hyderabad – 500037 Telangana, India



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