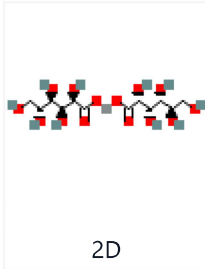


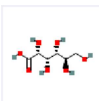
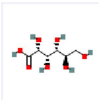


COMPOUND SUMMARY

Calcium Gluconate

PubChem CID	9290
Structure	 2D  3D
Chemical Safety	 Irritant Laboratory Chemical Safety Summary (LCSS) Datasheet
Molecular Formula	C ₁₂ H ₂₂ CaO ₁₄
Synonyms	CALCIUM GLUCONATE 299-28-5 Calcium D-gluconate D-Gluconic acid, calcium salt (2:1) Calglucon View More...
Molecular Weight	430.37 g/mol <i>Computed by PubChem 2.2 (PubChem release 2021.10.14)</i>
Parent Compound	 CID 10690 (Gluconic Acid)
Component Compounds	 CID 10690 (Gluconic Acid)



CID 5460341 (Calcium)

Dates

Create: 2005-06-24
Modify: 2024-07-20

Description

Calcium gluconate is the **calcium** salt of **D-gluconic acid**. It has a role as a nutraceutical. It contains a **D-gluconate**.

▶ [ChEBI](#)

Calcium gluconate is used as mineral supplement and medication when there is insufficient **calcium** in the diet. Supplementation may be done to treat or prevent osteoporosis or rickets, consequences of hypocalcemia. It can also be taken by mouth but is not recommended by injection into a muscle. Calcium Gluconate Injection, USP is a sterile, nonpyrogenic supersaturated solution of calcium gluconate for intravenous use only. Each mL contains: Calcium gluconate 94 mg; **calcium saccharate** (tetrahydrate) 4.5 mg; **water** for injection q.s. **Hydrochloric acid** and/or **sodium hydroxide** may have been added for pH adjustment (6.0 to 8.2). **Calcium saccharate** provides 6% of the total **calcium** and stabilizes the supersaturated solution of calcium gluconate. Each 10 mL of the injection provides 93 mg elemental **calcium** (Ca++) equivalent to 1 g of calcium gluconate.

▶ [DrugBank](#)

Calcium Gluconate is the **gluconate** salt of **calcium**. An element or mineral necessary for normal nerve, muscle, and cardiac function, **calcium** as the **gluconate** salt helps to maintain **calcium** balance and prevent bone loss when taken orally. This agent may also be chemopreventive for colon and other cancers. (NCI04)

▶ [NCI Thesaurus \(NCIt\)](#)

[View More...](#)

See also:



[Calcium Cation](#) (has active moiety) ... [View More ...](#)

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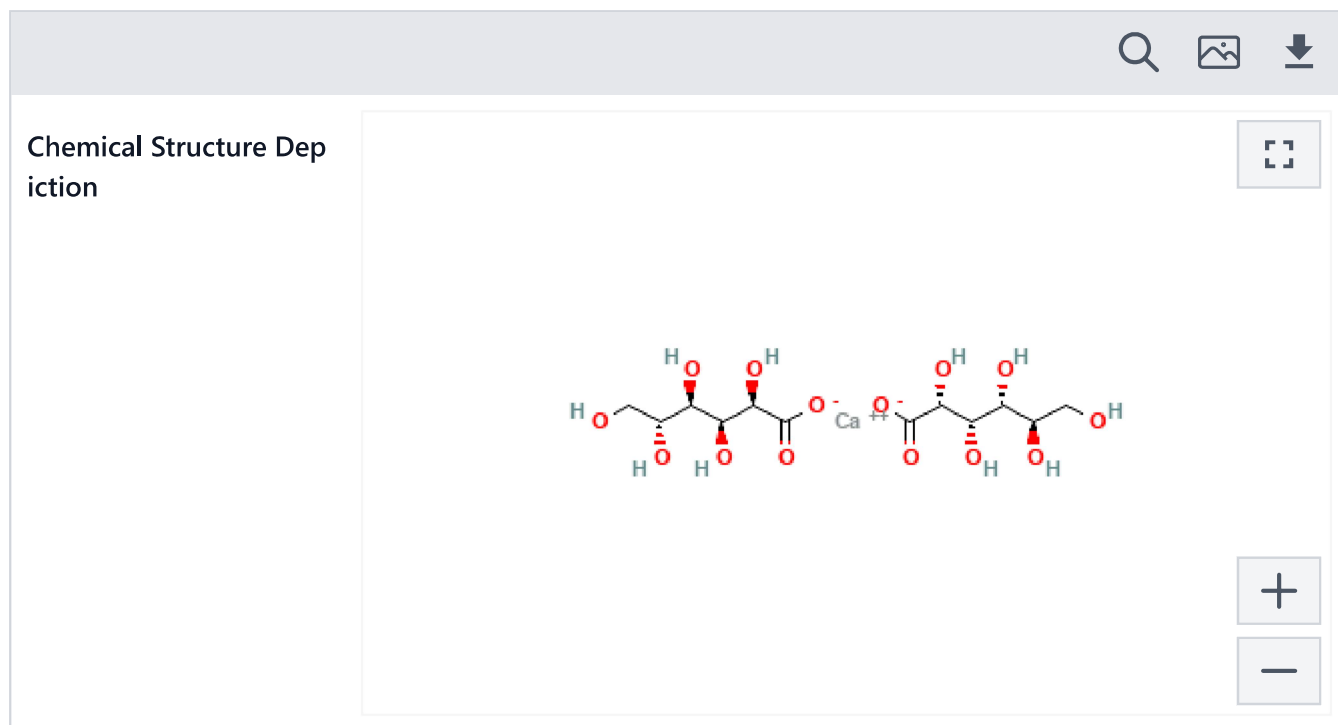
20 Information Sources

1 Structures



1.1 2D Structure



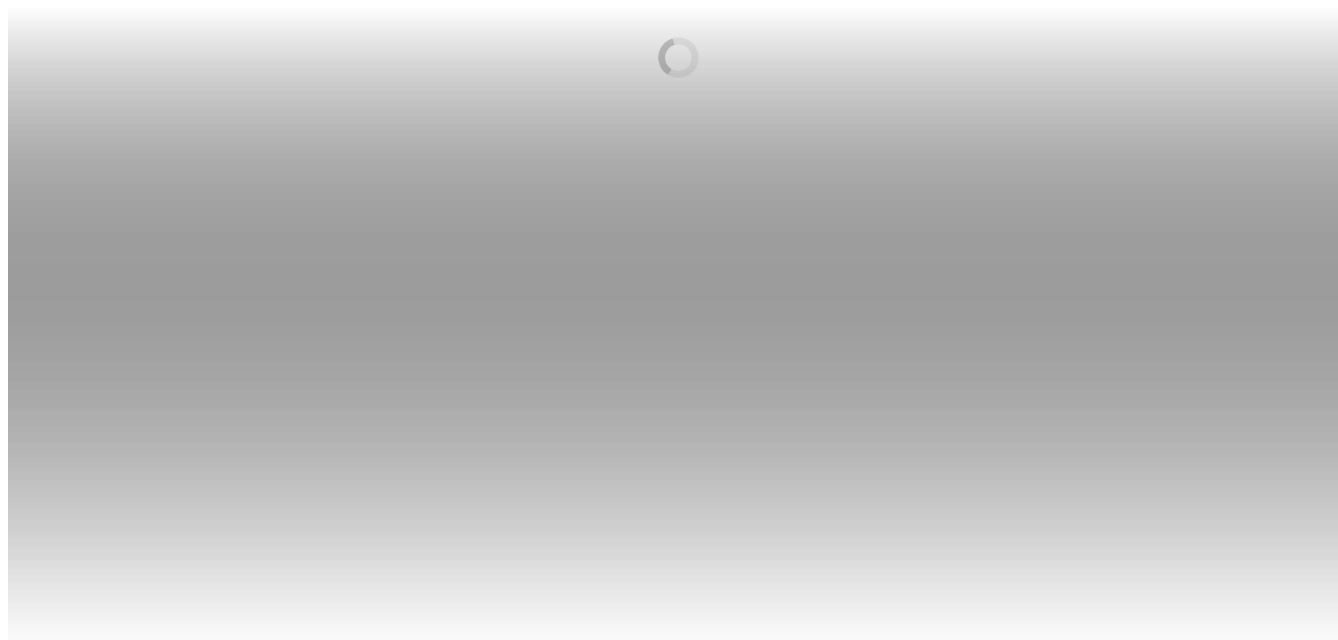


▶ PubChem

1.2 3D Conformer



3D Conformer of Parent



▶ PubChem

2 Names and Identifiers



