

Product Datasheet

Calcitriol (orb1300876)

Catalog Number	orb1300876
Category	Small Molecules
Description	Calcitriol (1,25-Dihydroxyvitamin D3) is the active hormonal form of vitamin D and a potent VDR agonist. It regulates calcium and phosphate homeostasis, promoting intestinal absorption and bone mineralization. This compound is widely used in research on osteoporosis, renal disease, and cancer biology, both in cellular assays and animal models.
Target	Endogenous Metabolite,Drug Metabolite,Vitamin
Purity	99.94%
MW	416.64
Target Areas	Drug Metabolite Endogenous Metabolite Vitamin
Solubility (25°C)	DMSO:240 mg/mL (576.04 mM);H2O: 1 mg/mL (insoluble or slightly soluble);Ethanol:77 mg/mL (184.81 mM)
CAS Number	32222-06-3
Formula	$C_{27}H_{44}O_3$
SMILES	<chem>C[C@@]12[C@]/C(=C/C=C/3\C(=C)[C@@H](O)[C@H](O)C3)/CCC1)(CC[C@@]2([C@@H](CCCC(C)(C)O)C)[H])[H]</chem>
Storage	keep away from direct sunlight,store under nitrogen,The compound is unstable in solution. Please use soon Powder: -20°C for 3 years Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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