

Paricalcitol-D6

Chemical Properties

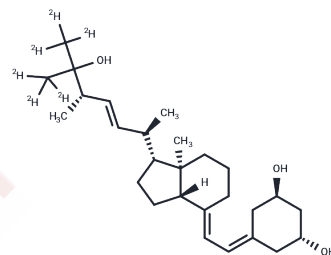
CAS No. : 2070009-67-3

Formula: C₂₇H₃₈D₆O₃

Molecular Weight: 422.67

Storage: Store at low temperature, Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Paricalcitol-D6 is the deuterated form of Paricalcitol (TQ0200), which is used in the research of secondary hyperparathyroidism, a disorder characterized by excessive secretion of parathyroid hormone associated with chronic renal failure. Paricalcitol-D6 can serve as a research analog for pharmacokinetics and metabolism studies of vitamin D analogs.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (189.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3659 mL	11.8296 mL	23.6591 mL
5 mM	0.4732 mL	2.3659 mL	4.7318 mL
10 mM	0.2366 mL	1.183 mL	2.3659 mL
50 mM	0.0473 mL	0.2366 mL	0.4732 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Martinez-Moreno JM, et al. In vascular smooth muscle cells paricalcitol prevents phosphate-induced Wnt/beta-catenin activation. *Am J Physiol Renal Physiol*. 2012 Aug 8.

Ari E, et al. Antioxidant and renoprotective effects of paricalcitol on experimental contrast-induced nephropathy model. *Br J Radiol*. 2012 Aug;85(1016):1038-43.

Meems LM, et al. The vitamin D receptor activator paricalcitol prevents fibrosis and diastolic dysfunction in a murine model of pressure overload. *J Steroid Biochem Mol Biol*. 2012 Jul 16;132(3-5):282-289.

Blanco-García R, et al. Microalbuminuria, another use for paricalcitol? Our experience in advanced chronic kidney disease. *Nefrologia*. 2012 May 14;32(3):401-2. doi: 10.3265/Nefrologia.pre2012.Feb.11378.

Piao SG, Song JC, Lim SW, Chung BH, Choi BS, Yang CW. Protective effect of paricalcitol on cyclosporine-induced renal injury in rats. *Transplant Proc*. 2012 Apr;44(3):642-5.

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