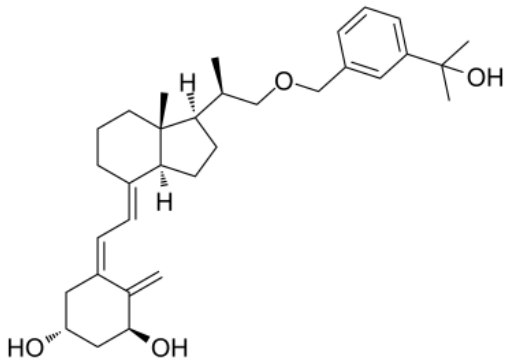
Product Data Sheet

Product Name: Atocalcitol
Cat. No.: GC62083

Chemical Properties

Cas. No.	302904-82-1		
SMILES	C[C@@]12[C@](CC[C@]2([H])[C@@H](C)COCC3=CC(C(C)(O)C)=CC=C3)([H])/C(CCC1)=C/C=C4C([C@H](C[C@@H](C\4)O)O)=C		
Formula	$C_{32}H_{46}O_4$	M.Wt	494.71
Solubility	DMSO : 25 mg/mL (50.53 mM; ultrasonic and warming and heat to 60°C)	Storage	Store at -20°C, protect from light, stored under nitrogen
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Atocalcitol, a vitamin D3 analogue, is used in the study for psoriasis[1].

[1]. Xuan Xu, et al. The Immunogenetics of Psoriasis and Implications for Drug Repositioning. Int J Mol Sci. 2017 Dec 8;18(12):2650.

Caution: Product has not been fully validated for medical applications. For research use only.
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[2]. Nicklas H Staunstrup, et al. A Sleeping Beauty DNA transposon-based genetic sensor for functional screening of vitamin D3 analogues. BMC Biotechnol. 2011 Apr 7;11:33.

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