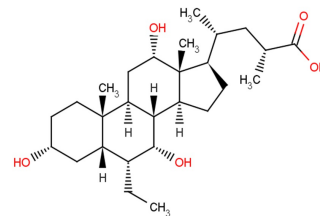


INT-777 R-enantiomer

Chemical Properties

CAS No.:	1198786-98-9
Formula:	C ₂₇ H ₄₆ O ₅
Molecular Weight:	450.65
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	INT-777 is the R-enantiomer of INT-777, less potent than INT-777, EC ₅₀ of 4.79 μM for TGR5.
Targets(IC ₅₀)	Others: None
In vivo	INT-777 is more choleric than CA, but less than INT-777.

Solubility Information

Solubility	DMSO: 100 mg/mL (221.90 mM) (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.219 mL	11.095 mL	22.19 mL
5 mM	0.444 mL	2.219 mL	4.438 mL
10 mM	0.222 mL	1.11 mL	2.219 mL
50 mM	0.044 mL	0.222 mL	0.444 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Pellicciari R, et al. Discovery of 6α-ethyl-23(S)-methylcholic acid (S-EMCA, INT-777) as a potent and selective agonist for the TGR5 receptor, a novel target for diabetes. J Med Chem. 2009 Dec 24;52(24):7958-6

Inhibitors · Natural Compounds · Compound Libraries

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