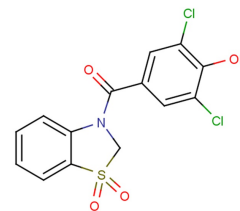


Dotinurad

Chemical Properties

CAS No.:	1285572-51-1
Formula:	C ₁₄ H ₉ Cl ₂ NO ₄ S
Molecular Weight:	358.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Dotinurad is a potent agent of uricosuric (IC ₅₀ : 3.6 μ M for uric acid).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 65 mg/mL (181.46 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.792 mL	13.959 mL	27.917 mL
5 mM	0.558 mL	2.792 mL	5.583 mL
10 mM	0.279 mL	1.396 mL	2.792 mL
50 mM	0.056 mL	0.279 mL	0.558 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

- Li X, et al. Pharmacological urate-lowering approaches in chronic kidney disease. Eur J Med Chem. 2019 Mar 15;166:186-196.

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