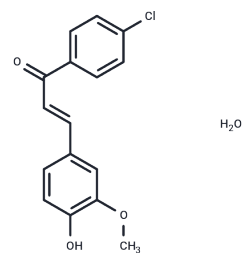


Chalcone 4 hydrate

Chemical Properties

CAS No. :	1202866-96-3
Formula:	C ₁₆ H ₁₅ ClO ₄
Molecular Weight:	306.74
Storage:	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	Chalcone 4 hydrate, an anti-parasite compound, inhibits the growth of Theileria and Babesia.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 55 mg/mL (179.3 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	3.2601 mL	16.3004 mL	32.6009 mL
5 mM	0.652 mL	3.2601 mL	6.5202 mL
10 mM	0.326 mL	1.630 mL	3.2601 mL
50 mM	0.0652 mL	0.326 mL	0.652 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

Batiha GE, et al. The effects of trans-chalcone and chalcone 4 hydrate on the growth of Babesia and Theileria. PLoS Negl Trop Dis. 2019 May 24;13(5):e0007030.

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