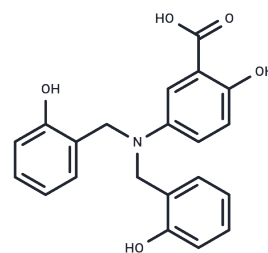


lavendustin B

Chemical Properties

CAS No. :	125697-91-8
Formula:	C ₂₁ H ₁₉ NO ₅
Molecular Weight:	365.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Lavendustin B is a Tyrosine Kinase Inhibitor and an inhibitor of HIV-1 integrase (IN) interaction with its cognate cellular cofactor, lens epithelium-derived growth factor (LEDGF/p75).
Targets(IC ₅₀)	HIV Protease,transporter,Tyrosinase

Solubility Information

Solubility	DMSO: 65 mg/mL (177.9 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	2.7369 mL	13.6844 mL	27.3688 mL
5 mM	0.5474 mL	2.7369 mL	5.4738 mL
10 mM	0.2737 mL	1.3684 mL	2.7369 mL
50 mM	0.0547 mL	0.2737 mL	0.5474 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.

Reference

Agharbaoui FE, et al. Computational and synthetic approaches for developing Lavendustin B derivatives as allosteric inhibitors of HIV-1 integrase. Eur J Med Chem. 2016 Nov 10;123:673-83

Alioua A,et al. Coupling of c-Src to large conductance voltage- and Ca²⁺-activated K⁺ channels as a new mechanism of agonist-induced vasoconstriction. Proc Natl Acad Sci U S A. 2002 Oct 29;99(22):14560-5

Fujii E, et al. Role of nitric oxide, prostaglandins and tyrosine kinase in vascular endothelial growth factor-induced increase in vascular permeability in mouse skin. Naunyn Schmiedebergs Arch Pharmacol. 1997 Oct;356(4):475-80

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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