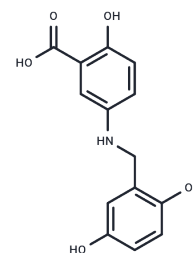


lavendustin C

Chemical Properties

CAS No. :	125697-93-0
Formula:	C ₁₄ H ₁₃ NO ₅
Molecular Weight:	275.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	lavendustin C (NSC 666251) is a potent inhibitor of epidermal growth factor (EGF) receptor-associated tyrosine kinase.
Targets(IC50)	CaMK,EGFR,Src,Tyrosinase

Solubility Information

Solubility	DMSO: 60 mg/mL (217.98 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6329 mL	18.1646 mL	36.3293 mL
5 mM	0.7266 mL	3.6329 mL	7.2659 mL
10 mM	0.3633 mL	1.8165 mL	3.6329 mL
50 mM	0.0727 mL	0.3633 mL	0.7266 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

- Nynca A, et al. Effects of the phytoestrogen, genistein, and protein tyrosine kinase inhibitor-dependent mechanisms on steroidogenesis and estrogen receptor expression in porcine granulosa cells of medium follicles. *Domest Anim Endocrinol*. 2013 Jan;44(1):10-8
- Kobayashi T, et al. Involvement of CaM kinase II in the impairment of endothelial function and eNOS activity in aortas of Type 2 diabetic rats. *Clin Sci (Lond)*. 2012 Sep;123(6):375-86
- Opałka M, et al. Genistein affects testosterone secretion by Leydig cells in roosters (*Gallus gallus domesticus*). *Reprod Biol*. 2004 Jul;4(2):185-93.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481