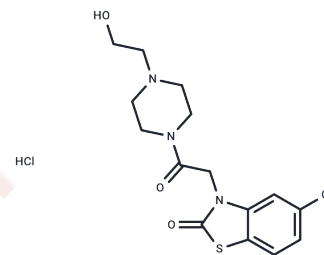


Tiaramide hydrochloride

Chemical Properties

CAS No. :	35941-71-0
Formula:	C ₁₅ H ₁₉ Cl ₂ N ₃ O ₃ S
Molecular Weight:	392.3
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	Tiaramide hydrochloride (FK-1160) is an anti-inflammatory drug that inhibits the action of mediators released from mast cells and has direct smooth muscle relaxant
Targets(IC50)	Others,Histamine Receptor
In vitro	tiaramide inhibits platelet PLA ₂ through mechanisms other than the blockade of Ca-influx and intracellular Ca mobilization or antagonism to calmodulin[1].

Solubility Information

Solubility	DMSO: 65 mg/mL (165.69 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	2.5491 mL	12.7453 mL	25.4907 mL
5 mM	0.5098 mL	2.5491 mL	5.0981 mL
10 mM	0.2549 mL	1.2745 mL	2.5491 mL
50 mM	0.051 mL	0.2549 mL	0.5098 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

- Takano S. Inhibition of phospholipase A2 by tiaramide in rabbit platelets. *Jpn J Pharmacol.* 1985 Nov;39(3):307-16. PubMed PMID: 3005729.
- Iwasaki K, Noguchi H, Kamataki T, Kato R. Metabolism of tiaramide in vitro. I. Oxidative metabolism of tiaramide by human and rat liver microsomes. *Xenobiotica.* 1982 Apr;12(4):221-6. PubMed PMID: 7113258.
- Takano S, Sakurai K, Suzuki T. Inhibitory effect of tiaramide of aggregation in vivo and on electrophoresis of rabbit platelets. *Jpn J Pharmacol.* 1980 Dec;30(6):905-12. PubMed PMID: 6264190.
- Harvey JE, Jones P, Tanser AR. A trial of tiaramide in asthma. *Allergy.* 1985 Apr;40(3):198-201. PubMed PMID: 3887976.

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