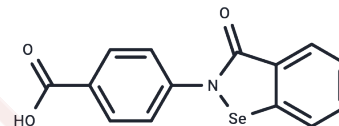


Carboxyebesen

Chemical Properties

CAS No. :	153871-75-1
Formula:	C ₁₄ H ₉ NO ₃ Se
Molecular Weight:	318.19
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	Carboxyebesen (HOOC-Ebs) is an endothelial nitric oxide synthase (eNOS) inhibitor that is potent and selective.
Targets(IC50)	NOS
In vivo	Carboxyebesen (HOOC-Ebs) inhibits NOS present in enzymatic preparations from bovine endothelium, porcine cerebella, and murine spleen. HOOC-Ebs (0.1-30 μM) causes a concentration-dependent endothelium-independent relaxation of rings of rabbit aorta.[1]

Solubility Information

Solubility	DMSO: 55 mg/mL (172.85 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	3.1428 mL	15.7139 mL	31.4278 mL
5 mM	0.6286 mL	3.1428 mL	6.2856 mL
10 mM	0.3143 mL	1.5714 mL	3.1428 mL
50 mM	0.0629 mL	0.3143 mL	0.6286 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

Hatchett RJ, et al. Carboxyethylselen a potent and selective inhibitor of endothelial nitric oxide synthase. J Physiol Pharmacol. 1994;45(1):55-67.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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