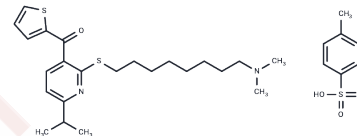


Y-29794 Tosylate

Chemical Properties

CAS No. :	143984-17-2
Formula:	C30H42N2O4S3
Molecular Weight:	590.86
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	Y-29794 Tosylate (Y-29794) is an orally active, effective, and specific non-peptide-prolyl endopeptidase (PPCE) inhibitor.
Targets(IC50)	Prolyl Endopeptidase (PREP)
In vitro	Y-29794 Tosylate could penetrate into brain to exhibit dose-dependent and long-lasting inhibition[2].
In vivo	Y-29794 Tosylate selectively and competitively inhibited rat brain PPCE in a reversible manner[2]. Y-29794 Tosylate was found to potentiate the effect of TRH on the release of ACh in the rat hippocampus[2].

Solubility Information

Solubility	DMSO: 50 mg/mL (84.62 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	1.6924 mL	8.4622 mL	16.9245 mL
5 mM	0.3385 mL	1.6924 mL	3.3849 mL
10 mM	0.1692 mL	0.8462 mL	1.6924 mL
50 mM	0.0338 mL	0.1692 mL	0.3385 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

Kato A, Fukunari A, Sakai Y, Nakajima T. Prevention of amyloid-like deposition by a selective prolyl endopeptidase inhibitor, Y-29794, in senescence-accelerated mouse. *J Pharmacol Exp Ther.* 1997 Oct;283(1):328-35. PubMed PMID: 9336340.

Nakajima T, Ono Y, Kato A, Maeda J, Ohe T. Y-29794--a non-peptide prolyl endopeptidase inhibitor that can penetrate into the brain. *Neurosci Lett.* 1992 Jul 20;141(2):156-60. PubMed PMID: 1436628.

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