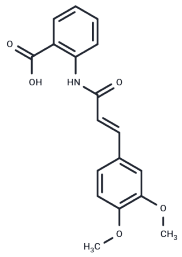
Data Sheet (Cat.No.T2270)

TargetMol

Trans-Tranilast

Chemical Properties



CAS No. : 70806-55-2

Formula: C18H17NO5

Molecular Weight: 327.33

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	Trans-Tranilast is an antiallergic drug developed by Kissei Pharmaceuticals. It was approved in 1982 for use in Japan and South Korea for bronchial asthma. Indications for keloid and hypertrophic scar were added in 1993. It has been used for the treatment of allergic disorders such as asthma, allergic rhinitis and atopic dermatitis.
Targets(IC50)	RAAS

Solubility Information

Solubility	DMSO: 60 mg/mL (183.3 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.11 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.055 mL	15.2751 mL	30.5502 mL
5 mM	0.611 mL	3.055 mL	6.110 mL
10 mM	0.3055 mL	1.5275 mL	3.055 mL
50 mM	0.0611 mL	0.3055 mL	0.611 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

Rogosnitzky, M., R. Danks, and E. Kardash, Therapeutic potential of tranilast, an anti-allergy drug, in proliferative disorders. Anticancer Res, 2012. 32(7): p. 2471-8.

Swiderski, K., et al., Tranilast administration reduces fibrosis and improves fatigue resistance in muscles of mdx dystrophic mice. Fibrogenesis Tissue Repair, 2014. 7(1): p. 1.

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