Data Sheet (Cat.No.T19916)

TargetMol®
YOUR TARGET MOLECULES

TRIM

Chemical Properties

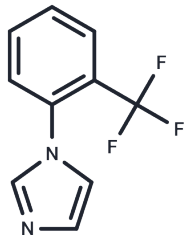
CAS No. : 25371-96-4

Formula: C10H7F3N2

Molecular Weight: 212.17

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	TRIM (1-(2-Trifluoromethylphenyl)imidazole) is an inhibitor of nNOS.
Targets(IC50)	NOS
In vivo	TRIM is a poor inhibitor of bovine aortic endothelial NOS with an IC50 of 1057.5 microM. TRIM (10-50 mg kg-1) administered i.p. exhibits dose-related antinociceptive activity in the mouse (assessed as inhibition of late phase formalin-induced hindpaw licking behaviour) with an ED50 of 85.8 mumol kg-1. In contrast, TRIM (50 mg kg-1, i.p.) failed to influence mean arterial blood pressure in the urethane-anaesthetized mouse[1].

Solubility Information

Solubility	DMSO: 2.12 mg/mL (10 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7132 mL	23.566 mL	47.132 mL
5 mM	0.9426 mL	4.7132 mL	9.4264 mL
10 mM	0.4713 mL	2.3566 mL	4.7132 mL
50 mM	0.0943 mL	0.4713 mL	0.9426 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

Handy R L C , Wallace P , Gaffen Z A , et al. The antinociceptive effect of 1-(2-trifluoromethylphenyl) imidazole (TRIM), a potent inhibitor of neuronal nitric oxide synthase in vitro, in the mouse.[J]. British Journal of

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