Data Sheet (Cat.No.T214372)

TargetMol

Docarpamine

Chemical Properties

CAS No. : 74639-40-0

Formula: C21H30N2O8S

Molecular Weight: 470.54

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	Docarpamine is an orally active dopamine prodrug that is converted into active dopamine in the small intestine and liver through hydroxylation. In situations of spontaneous hypertension, it primarily activates peripheral D1-like receptors (D1-like receptor) to lower blood pressure and heart rate. Under normal blood pressure conditions, Docarpamine exhibits pressor effects and tachycardia by activating D1-like receptors, vasopressin V1 receptors (vasopressin V1 receptor), and α-adrenergic receptors (α-adrenergic receptor). Docarpamine is useful for studying renal vasodilation and diuresis.
Targets(IC50)	Vasopressin Receptor,Adrenergic Receptor,Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1252 mL	10.6261 mL	21.2522 mL
5 mM	0.425 mL	2.1252 mL	4.2504 mL
10 mM	0.2125 mL	1.0626 mL	2.1252 mL
50 mM	0.0425 mL	0.2125 mL	0.425 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481