

Escholtzine

Chemical Properties

CAS No. :	4040-75-9
Formula:	C19H17NO4
Molecular Weight:	323.35
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	Escholtzine is an alkaloid found in the California poppy (<i>Eschscholzia californica</i>). It inhibits the binding of [3H]8-OH-DPAT to 5-HT1A receptors with an EC50 of 11 μ M and a Ki of 6 μ M. Escholtzine also inhibits CYP3A4, displaying an IC50 of 13.4 μ g/mL. It is utilized in research concerning neurological disorders such as anxiety.
Targets(IC50)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0926 mL	15.4631 mL	30.9262 mL
5 mM	0.6185 mL	3.0926 mL	6.1852 mL
10 mM	0.3093 mL	1.5463 mL	3.0926 mL
50 mM	0.0619 mL	0.3093 mL	0.6185 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.

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