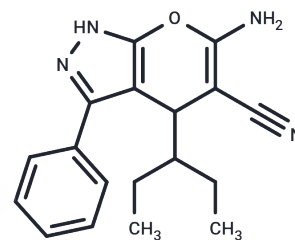


Deserpidine hydrochloride

Chemical Properties

CAS No. :	6033-69-8
Formula:	C ₃₂ H ₃₉ ClN ₂ O ₈
Molecular Weight:	615.12
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	Deserpidine hydrochloride is the salt form of Deserpidine (free base), which is an antihypertensive drug related to reserpine which occurs naturally in Rauwolfia canescens. Deserpidine is a competitive inhibitor of the angiotensin converting enzyme (ACE). By competing with angiotensin I for ACE, deserpidine blocks the conversion of angiotensin I to angiotensin II, which is a potent vasoconstrictor. Reduced level of serum angiotensin II causes a decrease in blood pressure. Deserpidine also decreases angiotensin II-induced aldosterone secretion by the adrenal cortex.
Targets(IC50)	Others,Angiotensin-converting Enzyme (ACE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6257 mL	8.1285 mL	16.257 mL
5 mM	0.3251 mL	1.6257 mL	3.2514 mL
10 mM	0.1626 mL	0.8128 mL	1.6257 mL
50 mM	0.0325 mL	0.1626 mL	0.3251 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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