

Rivanicline 2HCl

Chemical Properties

CAS No. :

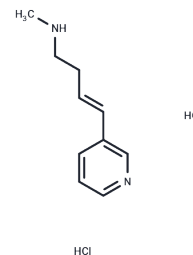
Formula: C₁₀H₁₆Cl₂N₂

Molecular Weight: 235.15

Storage:

Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Rivanicline 2HCl is a selective neuronal nicotinic receptor inhibitor with a high affinity for the $\alpha 4\beta 2$ subtype.
Targets(IC50)	AChR
In vitro	The study investigates the impact of selectively inhibiting Akt in proliferating cells that express Trop-2. In cells expressing Trop-2, Akt inhibition, whether achieved through silencing or specific drugs, significantly reduces cell proliferation in a dose-dependent manner.[1]
In vivo	When Trop-2-expressing tumors are subcutaneously injected into animal models, they exhibit a remarkable reduction in growth upon treatment with specific drugs targeting Akt activity. This underscores the central functional role of Akt in mediating the Trop-2-dependent growth stimulus.[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (212.63 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2526 mL	21.263 mL	42.526 mL
5 mM	0.8505 mL	4.2526 mL	8.5052 mL
10 mM	0.4253 mL	2.1263 mL	4.2526 mL
50 mM	0.0851 mL	0.4253 mL	0.8505 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

Saverio Alberti, et al. Use of trop-2 as predictive marker of response to anti-tumor therapy based on inhibitors of cd9, akt and molecules of the tetraspanin signalling network. WO2013171777A2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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