

NOX4-IN-1

Chemical Properties

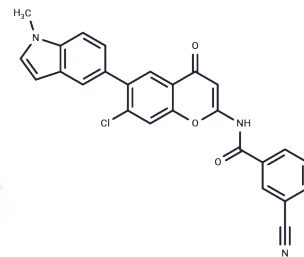
CAS No. :

Formula: C₂₆H₁₆ClN₃O₃

Molecular Weight: 453.877

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	NOX4-IN-1 (Compound 14m) is an inhibitor of NADPH oxidase 4 (NOX4) that reduces the production of reactive oxygen species (ROS). It also inhibits the TGF-β1/Smad signaling pathway, leading to decreased expression of fibrosis-related proteins. Additionally, NOX4-IN-1 impedes the migration of NRK-49F cells.
Targets(IC50)	Reactive Oxygen Species, NADPH, ROS, TGF-beta/Smad

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2032 mL	11.0161 mL	22.0323 mL
5 mM	0.4406 mL	2.2032 mL	4.4065 mL
10 mM	0.2203 mL	1.1016 mL	2.2032 mL
50 mM	0.0441 mL	0.2203 mL	0.4406 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

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