

TR-100

Chemical Properties

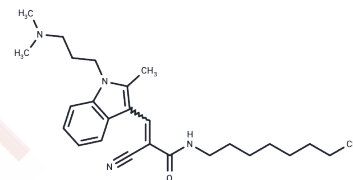
CAS No. : 1128165-86-5

Formula: C₂₆H₃₈N₄O

Molecular Weight: 422.61

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	TR-100 is a small molecule inhibitor targeting tumor-associated tropomyosin (Tpm). It binds to the C-terminus of Tpm3.1, affecting its interaction with actin filaments and thus influencing their stability and function. This mechanism allows TR-100 to specifically affect actin filament bundles in cancer cells without impairing cardiac muscle function. TR-100 is useful for studying the role of Tpm3.1 in cancer cell proliferation and survival, as well as its impact on insulin-stimulated glucose uptake and insulin secretion.
Targets(IC50)	Arp2/3 Complex

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3662 mL	11.8312 mL	23.6625 mL
5 mM	0.4732 mL	2.3662 mL	4.7325 mL
10 mM	0.2366 mL	1.1831 mL	2.3662 mL
50 mM	0.0473 mL	0.2366 mL	0.4732 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