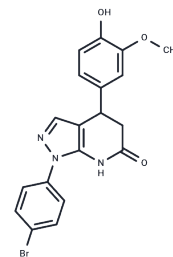


SM875

Chemical Properties

CAS No. : 919023-94-2
 Formula: C₁₉H₁₆BrN₃O₃
 Molecular Weight: 414.25
 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	SM875 is a degrader specifically targeting the cellular prion protein (PrP) with an IC ₅₀ of 7.87 μM. By binding to the folding intermediates of PrP, SM875 facilitates their degradation via the autophagy-lysosome pathway. It acts exclusively on nascent, immature PrP molecules and does not affect mature PrP synthesized beforehand. SM875 has the potential to inhibit prion replication, making it a promising compound for research in neurodegenerative diseases, particularly prion diseases.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.414 mL	12.070 mL	24.140 mL
5 mM	0.4828 mL	2.414 mL	4.828 mL
10 mM	0.2414 mL	1.207 mL	2.414 mL
50 mM	0.0483 mL	0.2414 mL	0.4828 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