

Anticancer agent 188

Chemical Properties

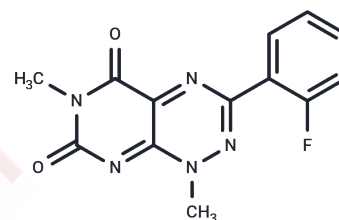
CAS No. : 1207377-56-7

Formula: C₁₃H₁₀N₅O₂

Molecular Weight: 287.25

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	Compound D43 (Anticancer agent 188) inhibits DNA synthesis in TNBC cells, causing cell cycle arrest at the G2/M phase. It exhibits anticancer properties by inducing ROS-mediated apoptosis and DNA damage [1].
Targets(IC50)	Reactive Oxygen Species, DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4813 mL	17.4064 mL	34.8129 mL
5 mM	0.6963 mL	3.4813 mL	6.9626 mL
10 mM	0.3481 mL	1.7406 mL	3.4813 mL
50 mM	0.0696 mL	0.3481 mL	0.6963 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