

GPI-15427

## Chemical Properties

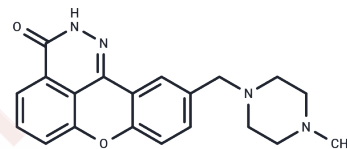
CAS No. : 805242-85-7

Formula: C<sub>20</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>

Molecular Weight: 348.4

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	GPI-15427 is a potent PARP-1 inhibitor capable of crossing the blood-brain barrier, which can significantly increased the antitumor activity of the methylating agent TMZ against malignant melanoma, glioblastoma multiforme, or lymphoma growing at the CNS site. GPI-15427 acts as a potent inhibitor of the enzyme, being capable of inhibiting the activity of purified PARP-1 at nanomolar concentrations. GPI-15427 induced significant sensitization to radiotherapy, representing a promising new treatment in the management of HNSCC.
Targets(IC50)	Others,PARP

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8703 mL	14.3513 mL	28.7026 mL
5 mM	0.5741 mL	2.8703 mL	5.7405 mL
10 mM	0.287 mL	1.4351 mL	2.8703 mL
50 mM	0.0574 mL	0.287 mL	0.5741 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

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