

A-893

Chemical Properties

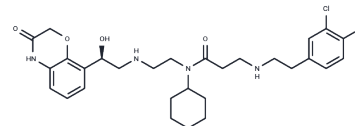
CAS No. : 1868232-32-9

Formula: C₂₉H₃₈Cl₂N₄O₄

Molecular Weight: 577.54

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	A-893 is a cell-active inhibitor of Methyltransferase SMYD2 (IC ₅₀ = 2.8 nM) .
In vitro	Treatment with A-893 or AZ505 leads to a decrease in the ratio of p53K370me1 to total p53 levels, with AZ505 prompting a more significant response. Despite A-893 not affecting overall p53 levels, AZ505 results in an unexpected increase of over threefold. Further analysis indicates that A-893 reduces the p53K370me1 methyl mark by 42%, whereas AZ505 achieves a 28% reduction, slightly less effectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7315 mL	8.6574 mL	17.3148 mL
5 mM	0.3463 mL	1.7315 mL	3.463 mL
10 mM	0.1731 mL	0.8657 mL	1.7315 mL
50 mM	0.0346 mL	0.1731 mL	0.3463 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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