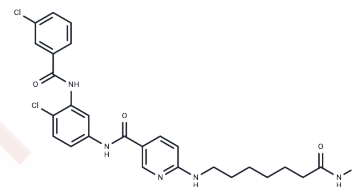


NL-103

Chemical Properties

CAS No. : 1788896-33-2
 Formula: C₂₆H₂₇Cl₂N₅O₄
 Molecular Weight: 544.43
 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	NL-103 is a novel dual-targeted inhibitor of histone deacetylases and hedgehog pathway, effectively overcomes vismodegib resistance conferred by Smo mutations. NL-103 comprises structural elements of Hh pathway inhibitor vismodegib, and histone deacetylase (HDAC) inhibitor vorinostat. NL-103 simultaneously and significantly inhibited both HDACs and Hh pathway. Importantly, NL-103 effectively overcame vismodegib resistance induced by Smoothed point mutations. Moreover, NL-103 significantly downregulated the expression of Gli2 which plays an important role in Hh pathway. NL-103 may be a promising compound for clinical development as a more effective Hh pathway inhibitor.
Targets(IC50)	Others,Hedgehog/Smoothed,HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8368 mL	9.1839 mL	18.3678 mL
5 mM	0.3674 mL	1.8368 mL	3.6736 mL
10 mM	0.1837 mL	0.9184 mL	1.8368 mL
50 mM	0.0367 mL	0.1837 mL	0.3674 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

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