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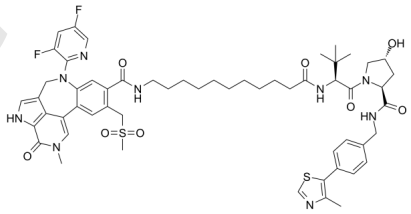
Certificate of Analysis

Catalog Number	BP13868
Product Name	GNE-987

Physical and Chemical Properties

Chemical Formula	C56H67F2N9O8S2
Molecular Weight	1096.31
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	GNE-987 is a highly active chimeric BET degrader. GNE-987 binds equipotently to the BD1 and BD2 bromodomains of BRD4 with low nanomolar affinities (IC50: 4.7 and 4.4 nM, respectively). GNE-987 exhibits picomolar cell BRD4 degradation activity (DC50: 0.03 nM for EOL-1 AML cell line).
Targets&IC50	BRD4 BD2:4.4 nM, VHL:, BRD4(BD1):4.7 nM

In vitro	GNE-987 (0.1-10 nM; 5 hours) degrades the BRD2 and BRD3 BET family proteins.GNE-987 inhibits EOL-1 and HL-60 cell viability with IC50s of 0.02 and 0.03 nM, respectively, and inhibits MYC expression with an IC50 of 0.03 nM.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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