

Catalog Number	BP13118
Product Name	CDK9-IN-2

CAS No.	1263369-28-3
Chemical Formula	C23H25ClFN5
Molecular Weight	425.94
Solubility	DMSO: 50 mg/mL (117.39 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Description	CDK9-IN-2 is a special CDK9 inhibitor extracted from patent WO/2012131594A1 (compound CDKI(8)) and has an IC50 of 5 nM and 7 nM in A2058 skin cell line (72 hours) and H929 multiple myeloma cell line (72 hours), respectively.
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Targets&IC50	CDK9:5 nM, H929 multiple myeloma cell line:
In vitro	CDK9-IN-2 (200 nM) reduces the expression of MEPCE indicating that MEPCE is a pharmacodynamic marker for any CDK9 inhibitor. The expression of MCL1 protein is reduced 2 hours after treatment, and it is further reduced after 16-hour exposure to CDK9-IN-2 (500 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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