bio-techne
TOCRIS

Print Date: Nov 19th 2025

Certificate of Analysis

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Product Name: **HHP 9** **Catalog No.: 7828** **Batch No.: 1**

CAS Number: 3093738-79-2

IUPAC Name: 2-Methoxyethyl 4-(3-((1-(6-((2-(2,6-dioxopiperidin-3-yl)-1,3-dioxoisoindolin-4-yl)oxy)hexyl)-1*H*-1,2,3-triazol-4-yl) methoxy)phenyl)-7-(2-methoxyphenyl)-2-methyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{49}H_{52}N_6O_{11}$.

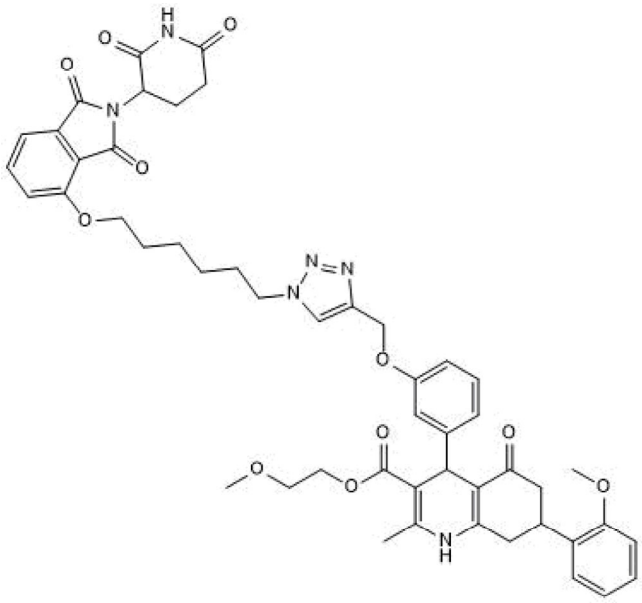
Batch Molecular Weight: 900.99

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.32	5.82	9.33
Found	64.79	5.8	9.13

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

HHP 9 is a potent BET bromodomain Degrader (PROTAC®; DC_{50} values are 0.03 μM, 0.2 μM and 0.2 μM at BRD3, BRD2 and BRD4 respectively). BRD2, BRD3 and BRD4 are almost completely degraded by HHP 9 in vitro (after 27h incubation with 0.5 - 5 μM of HHP 9). Comprises a Hedgehog Pathway Inhibitor-1 (HPI-1, Cat. No. 3839) coupled to a CRBN ligand. BET bromodomain degradation through HPP-9 results in long-acting Hh pathway inhibition. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

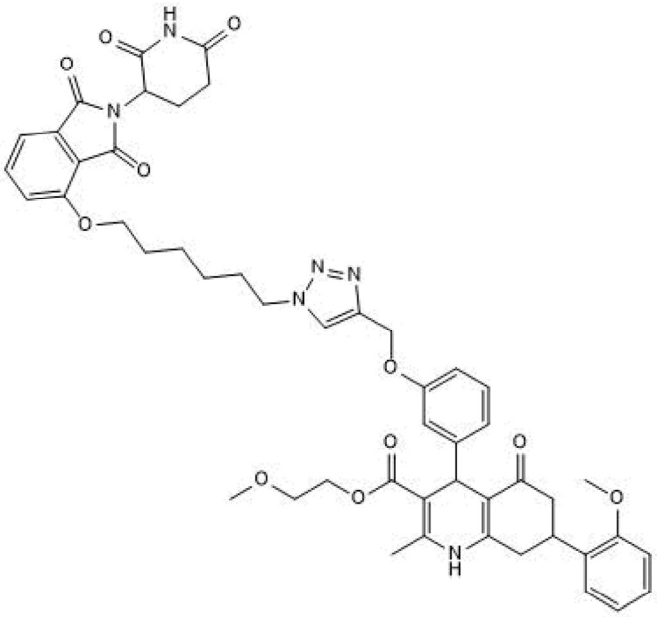
Batch Molecular Formula: $C_{49}H_{52}N_6O_{11}$.

Batch Molecular Weight: 900.99

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Bagka *et al* (2023) Targeted protein degradation reveals BET bromodomains as the cellular target of Hedgehog pathway inhibitor-1. Nat.Commun. ***14*** 3893. PMID: 37393376.