

**Product Name:** ZXH 3-26

**Catalog No.:** 6713

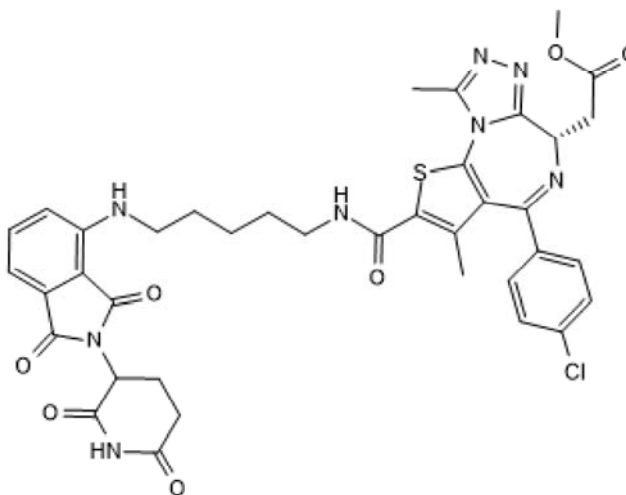
**Batch No.:** 1

CAS Number: 2243076-67-5

IUPAC Name: Methyl (6S)-4-(4-chlorophenyl)-2-[[[5-[[2-(2,6-dioxo-3-piperidiny)-2,3-dihydro-1,3-dioxo-1H-isoindol-4-yl]amino]pentyl]amino]carbonyl]-3,9-dimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine-6-acetate

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>38</sub> H <sub>37</sub> ClN <sub>8</sub> O <sub>7</sub> S·½H <sub>2</sub> O
<b>Batch Molecular Weight:</b>	794.28
<b>Physical Appearance:</b>	Yellow solid
<b>Solubility:</b>	DMSO to 100 mM ethanol to 10 mM with sonication
<b>Storage:</b>	Store at -20°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>TLC:</b>	R <sub>f</sub> = 0.7 (Dichloromethane:Methanol [9:1])
<b>HPLC:</b>	Shows 100% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure
<b>Microanalysis:</b>	

	Carbon	Hydrogen	Nitrogen
Theoretical	57.46	4.82	14.11
Found	57.04	4.74	14.1

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

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**Description:**

Potent and selective BRD4 degrader (DC<sub>50</sub> ~ 5 nM). Exhibits no significant degradation of BRD2 and BRD3. Whole proteome mass spectrometry shows significant downregulation of BRD4 only. Active intracellularly.

**Physical and Chemical Properties:**

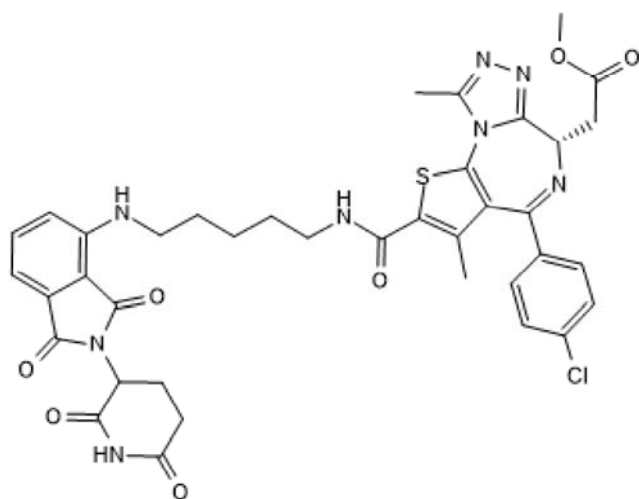
Batch Molecular Formula: C<sub>38</sub>H<sub>37</sub>ClN<sub>8</sub>O<sub>7</sub>S.½H<sub>2</sub>O

Batch Molecular Weight: 794.28

Physical Appearance: Yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 10 mM with sonication

**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. Our standard recommendations are:

**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.

**Licensing Information:**

Sold under license from Dana-Farber Cancer Institute.

**References:**

**Nowak et al** (2018) Plasticity in binding confers selectivity in ligand-induced protein degradation. *Nat.Chem.Biol.* **14** 706. PMID: 29892083.

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