

Product Name: TL 13-112

Catalog No.: 6745

Batch No.: 2

CAS Number: 2229037-19-6

IUPAC Name: *N*-[2-[2-[2-[4-[4-[[5-Chloro-4-[[2-[(1-methylethyl)sulfonyl]phenyl]amino]-2-pyrimidinyl]amino]-2-methyl-5-(1-methylethoxy)phenyl]-1-piperidinyl]ethoxy]ethoxy]ethyl]-2-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]amino]acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₉H₆₀ClN₉O₁₀S·¾H₂O

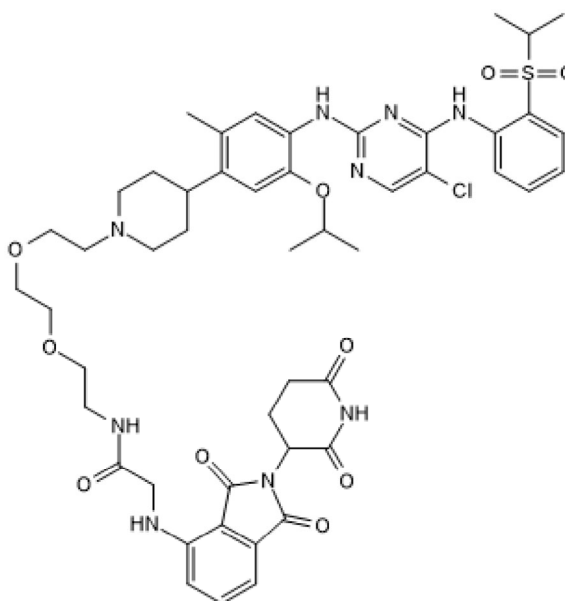
Batch Molecular Weight: 1016.08

Physical Appearance: Yellow solid

Solubility: DMSO to 50 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	57.92	6.1	12.41
Found	57.49	6.04	12.19

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Description:

TL 13-112 is a selective anaplastic lymphoma kinase (ALK) Degradar (PROTAC®) (DC₅₀ values are 10 and 40 nM in H3122 and Karpas 299 cells, respectively). Comprises the cereblon E3 ligase ligand Pomalidomide (Cat. No. 6302) conjugated to an ALK inhibitor. Inhibits proliferation of ALK-positive cancer cell lines. Maximum degradation exhibited at 16 h. Negative control TL 13-110 (Cat. No. 6746), and ALK antibody validated for Simple Western™ (automated Western) instruments and Western Blot also available: Catalog # AF4210. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

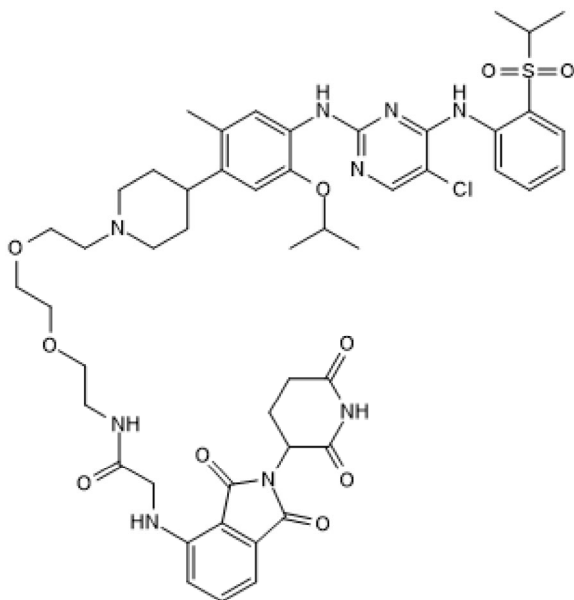
Batch Molecular Formula: C₄₉H₆₀ClN₉O₁₀S·¾H₂O

Batch Molecular Weight: 1016.08

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 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.

Licensing Information:

Sold under license from Dana-Farber Cancer Institute

References:

Powell et al (2019) Chemically induced degradation of anaplastic lymphoma kinase (ALK). *J. Med. Chem.* **61** 4249. PMID: 29660984.

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