

Product Name: TL 13-22

Catalog No.: 6747

Batch No.: 1

CAS Number: 2229036-65-9

IUPAC Name: *N*-(2-(2-(2-(4-(4-((5-Chloro-4-((2-(isopropylsulfonyl)phenyl)amino)pyrimidin-2-yl)amino)-3-methoxyphenyl)piperazin-1-yl)ethoxy)ethoxy)ethyl)-2-((1,3-dioxo-2-(2-oxopiperidin-3-yl)isoindolin-4-yl)amino)acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₅H₅₅ClN₁₀O₉S.1¼H₂O

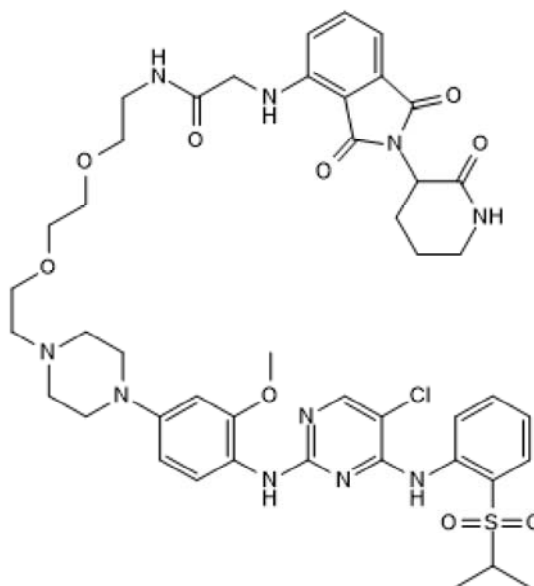
Batch Molecular Weight: 970.02

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.36 (Dichloromethane:Methanol [9:1])

HPLC: Shows 98.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	55.72	5.97	14.44
Found	55.37	5.78	14.15

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

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Description:

Negative control for TL 13-12 (Cat. No. 6744). Displays no degradation of ALK in cell lines. Highly potent inhibitor of ALK (IC₅₀ = 0.54 nM)

Physical and Chemical Properties:

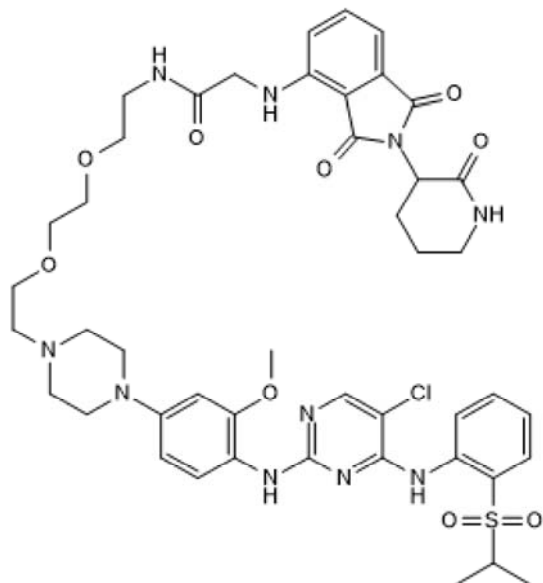
Batch Molecular Formula: C₄₅H₅₅ClN₁₀O₉S.1¼H₂O

Batch Molecular Weight: 970.02

Physical Appearance: Yellow 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. 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:

Powell et al (2018) Chemically induced degradation of anaplastic lymphoma kinase (ALK). *J.Med.Chem.* **61** 4249. PMID: 29660984.

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