

**Product Name:** TL 13-110

**Catalog No.:** 6746

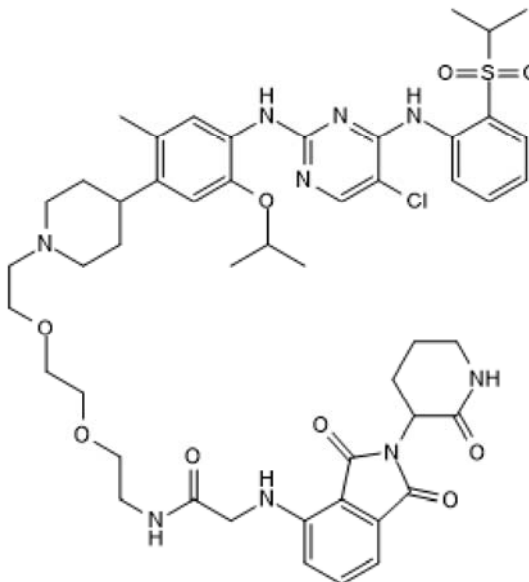
**Batch No.:** 1

CAS Number: 2229037-09-4

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

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>49</sub> H <sub>62</sub> ClN <sub>9</sub> O <sub>9</sub> S·¾H <sub>2</sub> O
<b>Batch Molecular Weight:</b>	1002.1
<b>Physical Appearance:</b>	Yellow solid
<b>Solubility:</b>	DMSO to 50 mM ethanol to 5 mM with gentle warming
<b>Storage:</b>	Store at -20°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>TLC:</b>	R <sub>f</sub> = 0.28 (Dichloromethane:Methanol [9:1])
<b>HPLC:</b>	Shows 97.7% 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	58.73	6.39	12.58
Found	58.38	6.26	12.52

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**Description:**

Negative control for TL 13-112 (Cat. No. 6745). Displays no degradation of ALK in cell lines. Highly potent ALK inhibitor (IC<sub>50</sub> = 0.34 nM).

**Physical and Chemical Properties:**

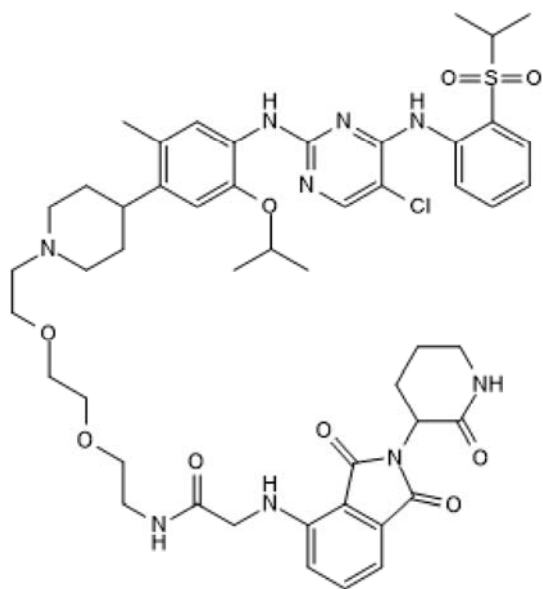
Batch Molecular Formula: C<sub>49</sub>H<sub>62</sub>ClN<sub>9</sub>O<sub>9</sub>S<sub>3</sub>·¾H<sub>2</sub>O

Batch Molecular Weight: 1002.1

Physical Appearance: Yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 mM

ethanol to 5 mM with gentle warming

**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. *J.Med.Chem.* **61** 4249. PMID: 29660984 .

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