

Product Name: SJ 11646

Catalog No.: 7721

Batch No.: 2

CAS Number: 2933135-82-9

IUPAC Name: *N*-(2-Chloro-6-methylphenyl)-2-((6-(4-(3-(2-(4-(2,6-dioxopiperidin-3-yl)phenoxy)acetamido)propyl)piperazin-1-yl)-2-methylpyrimidin-4-yl)amino)thiazole-5-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₆H₄₀ClN₉O₅S·H₂O

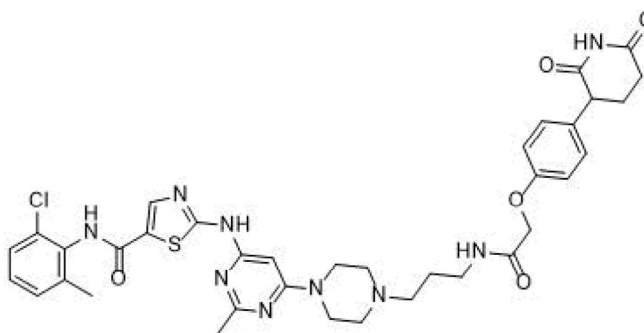
Batch Molecular Weight: 764.3

Physical Appearance: Off-white solid

Solubility: DMSO to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.2% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	56.57	5.54	16.49
Found	55.78	5.45	16.17

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

Product Name: SJ 11646

Catalog No.: 7721

2

CAS Number: 2933135-82-9

IUPAC Name: *N*-(2-Chloro-6-methylphenyl)-2-((6-(4-(3-(2-(4-(2,6-dioxopiperidin-3-yl)phenoxy)acetamido)propyl)piperazin-1-yl)-2-methylpyrimidin-4-yl)amino)thiazole-5-carboxamide

Description:

SJ 11646 is a potent LCK (lymphocyte-specific protein tyrosine kinase) Degradar (PROTAC[®]; DC₅₀ = 0.00838 pM). It comprises Dasatinib (Cat. No. 6793), as the LCK ligand, and a phenyl glutarimide-based cereblon binder. It shows cytotoxicity in LCK-activated T cell acute lymphoblastic leukemia (T-ALL) cell lines and primary leukemia samples in vitro. In vivo, SJ11646 shows anti-leukemic efficacy in patient-derived xenograft models of T-ALL. LCK antibodies validated for Simple Western[™] (automated Western) instruments and Western Blot also available: Catalog # AF3704 and MAB37041. PROTAC[®] is a registered trademark of Arvinas Ope... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

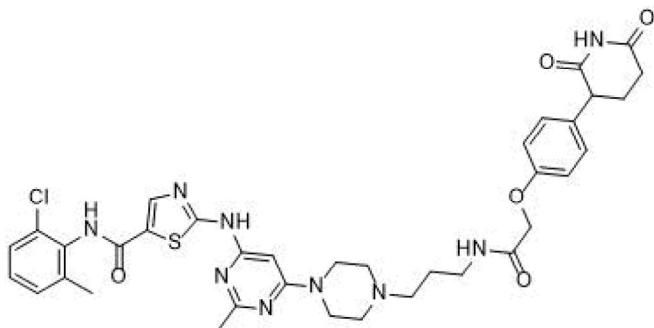
Batch Molecular Formula: C₃₆H₄₀ClN₉O₅S.H₂O

Batch Molecular Weight: 764.3

Physical Appearance: Off-white solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Hu *et al* (2022) Preclinical evaluation of proteolytic targeting of LCK as a therapeutic approach in T cell acute lymphoblastic leukemia. *Sci.Transl.Med.* **14** eabo5228. PMID: 36001679.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 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 St. Jude Children's Research Hospital.

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

bio-techne.com

info@bio-techne.com
techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors
Tel:+1 612 379 2956