bio-techne
TOCRIS

Print Date: Jun 17th 2024

Certificate of Analysis

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Product Name: **HaXS8** **Catalog No.: 4991** **Batch No.: 3**

CAS Number: 2080306-25-6

IUPAC Name: *N*-[[4-[[(2-Amino-9-*H*-purin-6-yl)oxy]methyl]phenyl]methyl]-2-[4-[(18-chloro-3,6,9,12-tetraoxaoctadec-1yl)oxy]-2,3,5,6-tetrafluorophenoxy]acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{35}H_{43}ClF_4N_6O_8$

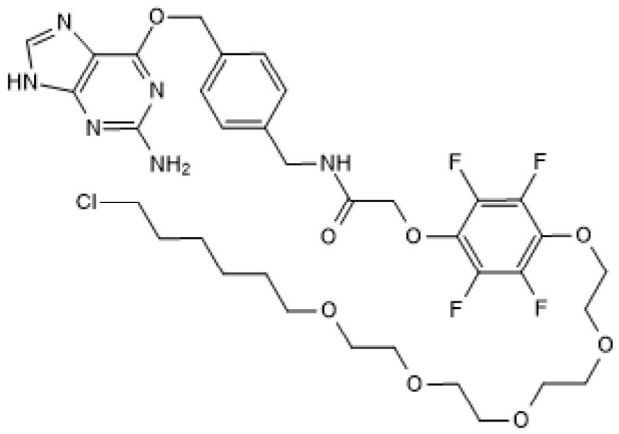
Batch Molecular Weight: 787.2

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.0% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

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Description:

HaXS8 is a chemical dimerizer that promotes covalent and irreversible HaloTag® and SNAP-tag® substrate dimerization. Cell permeable. HaloTag is a trademark of Promega Corporation, and SNAP-tag is a trademark of New England BioLabs, Inc.

Physical and Chemical Properties:

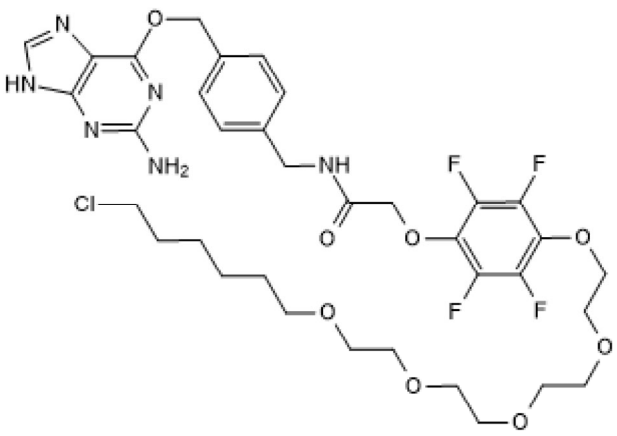
Batch Molecular Formula: $C_{35}H_{43}ClF_4N_6O_8$

Batch Molecular Weight: 787.2

Physical Appearance: White solid

Minimum Purity: ≥90%

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. *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.

References:

Zimmermann *et al* (2014) Cell-permeant and photocleavable chemical inducer of dimerization. Angew Chem.Int.Ed.Engl. ***53*** 4717. PMID: 24677313.

Erhart *et al* (2013) Chemical development of intracellular protein heterodimerizers. Chem.Biol. ***20*** 549. PMID: 23601644 .