

Product Name: OTX 015

Catalog No.: 6181

Batch No.: 1

CAS Number: 202590-98-5

IUPAC Name: (6S)-4-(4-Chlorophenyl)-N-(4-hydroxyphenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine-6-acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₂₂ClN₅O₂S.H₂O

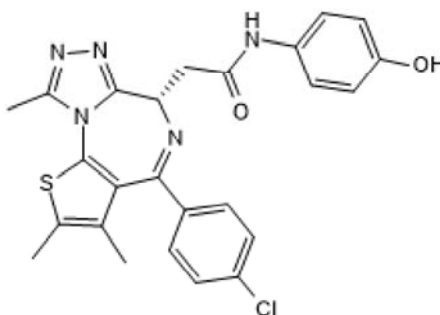
Batch Molecular Weight: 510.01

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM
ethanol to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.88	4.74	13.73
Found	58.83	4.55	13.8

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

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Description:

OTX 015 is a BET bromodomain inhibitor (IC₅₀ values are in the range 92 - 112 nM). Inhibits proliferation and induces apoptosis of leukemia cell lines *in vitro*. Decreases BRD2, BRD4 and c-MYC protein expression. Orally bioavailable.

Physical and Chemical Properties:

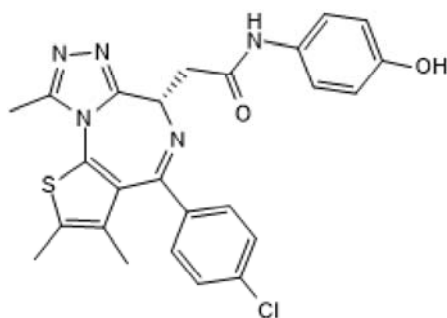
Batch Molecular Formula: C₂₅H₂₂ClN₅O₂S.H₂O

Batch Molecular Weight: 510.01

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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. 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.

References:

Berenguer-Daizé et al (2016) OTX015 (MK-8628), a novel BET inhibitor, displays *in vitro* and *in vivo* antitumor effects alone and in combination with conventional therapies in glioblastoma models. *Int.J.Cancer* **139** 2047. PMID: 27388964.

Coudé et al (2015) BET inhibitor OTX015 targets BRD2 and BRD4 and decreases c-MYC in acute leukemia cells. *Oncotarget* **6** 17698. PMID: 25989842.

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