

Product Name: FX 1

Catalog No.: 6323

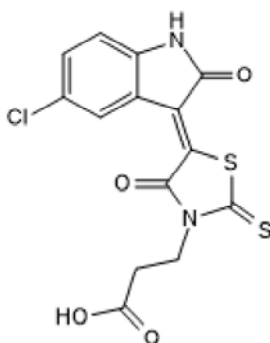
Batch No.: 1

CAS Number: 1426138-42-2

IUPAC Name: (5Z)-5-(5-Chloro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)-4-oxo-2-thioxo-3-thiazolidinepropanoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₉ClN₂O₄S₂
Batch Molecular Weight: 368.82
Physical Appearance: Red solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.06 (Dichloromethane:Methanol [95:5])
HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	45.59	2.46	7.6
Found	45.82	2.42	7.42

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

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Description:

Bcl-6 inhibitor ($K_d = 3 \mu\text{M}$); exhibits 10-fold greater potency than endogenous Bcl-6 corepressors. Disrupts formation of Bcl-6 repression complex. Induces regression of established tumors in mice bearing DLBCL xenograft.

Physical and Chemical Properties:

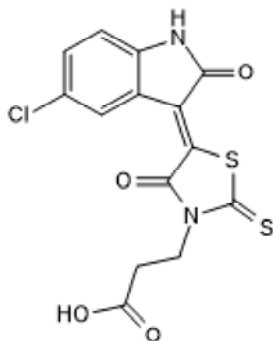
Batch Molecular Formula: $\text{C}_{14}\text{H}_9\text{ClN}_2\text{O}_4\text{S}_2$

Batch Molecular Weight: 368.82

Physical Appearance: Red solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

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 $45\text{-}60^\circ\text{C}$ 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:

Cardenas et al (2017) The expanding role of the BCL6 oncoprotein as a cancer therapeutic target. *Clin.Cancer Res.* **23** 885. PMID: 27881582.

Cardenas et al (2016) Rationally designed BCL6 inhibitors target activated B cell diffuse large B cell lymphoma. *J.Clin.Invest.* **126** 3351. PMID: 27482887.

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