

## Certificate of Analysis

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**Product Name:** Bromosporine

**Catalog No.:** 4758

**Batch No.:** 2

CAS Number: 1619994-69-2

IUPAC Name: *N*-[(6-(3-Methanesulfonamido-4-methylphenyl)-3-methyl-[1,2,4]triazolo[4,3-*b*]pyridazin-8-yl)]carbamate

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>17</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub>S·H<sub>2</sub>O

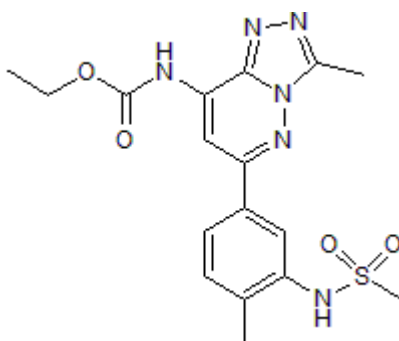
**Batch Molecular Weight:** 422.46

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 99.6% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	48.33	5.25	19.89
Found	48.18	5.17	19.9

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**Description:**

Broad spectrum bromodomain inhibitor. Accelerates FRAP recovery of BRD4 and CREBBP in cells at a concentration of 1  $\mu$ M.

**Physical and Chemical Properties:**

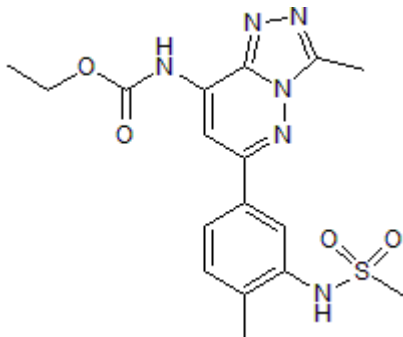
Batch Molecular Formula: C<sub>17</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub>S.H<sub>2</sub>O

Batch Molecular Weight: 422.46

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°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. 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:**

This compound is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the Bromosporine probe summary on the SGC website.

**References:**

**Gallenkamp** *et al* (2014) Bromodomains and their pharmacological inhibitors. *ChemMedChem* **9** 438. PMID: 24497428.

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