

**Product Name:** 193 D7

**Catalog No.:** 8167

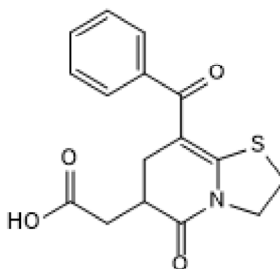
**Batch No.:** 1

CAS Number: 861224-48-8

IUPAC Name: 8-Benzoyl-2,3,6,7-tetrahydro-5-oxo-5H-thiazolo[3,2-a]pyridine-6-acetic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>16</sub>H<sub>15</sub>NO<sub>4</sub>S.  
**Batch Molecular Weight:** 317.36  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 20 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.2% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	60.55	4.76	4.41
Found	61.01	4.68	4.43

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

**Product Name:** 193 D7

**Catalog No.:** 8167

**Batch No.:** 1

CAS Number: 861224-48-8

IUPAC Name: 8-Benzoyl-2,3,6,7-tetrahydro-5-oxo-5H-thiazolo[3,2-a]pyridine-6-acetic acid

**Description:**

193 D7 is a histone demethylase JMJD1C inhibitor ( $IC_{50} = 0.59 \mu\text{M}$  in in vitro demethylation assay). In vivo, 193 D7 suppresses tumor by targeting intratumoral  $T_{reg}$  cells in mice tumor models. 193 D7 is orally bioavailable.

**Physical and Chemical Properties:**

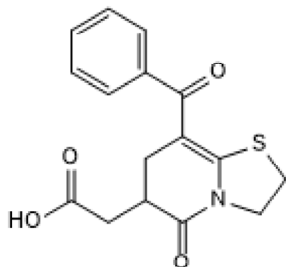
Batch Molecular Formula:  $C_{16}H_{15}NO_4S$ .

Batch Molecular Weight: 317.36

Physical Appearance: White solid

**Minimum Purity:**  $\geq 98\%$

**Batch Molecular Structure:**



**Storage:** Store at  $-20^{\circ}\text{C}$

**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  $45-60^{\circ}\text{C}$  water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. \*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  $-20^{\circ}\text{C}$  or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

Long *et al* (2024) Targeting JMJD1C to selectively disrupt tumor Treg cell fitness enhances antitumor immunity. *Nat.Immunol.* **25** 525. PMID: 38356061.

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