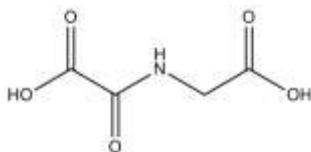


**PRODUCT: N-Oxalylglycine****ALTERNATE NAME:** 2-(carboxymethylamino)-2-oxoacetic acid**CATALOG #:** B1084-10, 50**AMOUNT:****STRUCTURE:****MOLECULAR FORMULA:** C<sub>4</sub>H<sub>5</sub>NO<sub>5</sub>**MOLECULAR WEIGHT:** 147.1**CAS NUMBER:** 5262-39-5**APPEARANCE:** White Solid**SOLUBILITY:** DMSO (10 mg/ml)**PURITY:** ≥95% by HPLC**STORAGE:** Store at -20°C. Protect from air and moisture

**DESCRIPTION:** N-Oxalylglycine, the amide analog of α-ketoglutarate, is a cell-permeable inhibitor of α-ketoglutarate-dependent enzymes, including JMJD2A, JMJD2C, and JMJD2E (IC<sub>50</sub>s = 250, 500, and 24 μM, respectively). It can also inhibit the prolyl hydroxylase domain-containing proteins PHD1 and PHD2 with IC<sub>50</sub> values of 2.1 and 5.6 μM, respectively.

**REFERENCES:** Krishnan, S., *et al.* (2011). *ChemBioChem* **12**, 254-263.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Caffeic acid (Cat. No. 2303-50, 250)  
 Clorgyline hydrochloride (Cat. No. 2622-10, 50)  
 Daminozide (Cat. No. 2438-100, 500)  
 Disulfiram (Cat. No. 2308-10, 50)  
 Ebselen (Cat. No. 2169-5, 25)  
 GSK-J4 hydrochloride (Cat. No. 2259-1, 5)  
 GSK-J4 (Free base) (Cat. No. 2762-1,5)  
 GSK-J1 sodium (Cat. No. 2260-1, 5)  
 GSK-J1 (Cat. No. 2761-1,5)  
 GSK-2879552 (Cat. No. B1044-5,25)  
 Harmine (Cat. No. 2561-50, 250)  
 IOX1 (Cat. No. 2266-5, 25)  
 Jumonji HDM Inhibitor, JOB-04 (Cat. No. 2474-5, 25)  
 Jumonji HDM Inhibitor, PBIT (Cat. No. 2475-5, 25)  
 β-Lapachone (Cat. No. 2262-5, 25)  
 ML-324 (Cat. No. 2763-5, 25)  
 OG-L002 (Cat. No. 9406-5, 25)  
 Pargyline hydrochloride (Cat. No. 2618-500, 1000)  
 2,4-PDCA (Cat. No. 2304-100, 500)  
 Rasagiline mesylate (Cat. No. 2237-50, 250)  
 SP-2509 (Cat. No. 9446-5,25)  
 Tranlycypromine hemisulfate (Cat. No. 1816-25, 100)

**USAGE:** FOR RESEARCH CH USE ONLY! Not to be used in humans