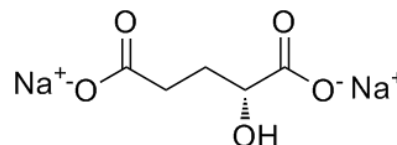


Product Name : D-alpha-Hydroxyglutaric acid disodium salt
Cat. No. : PC-42195
CAS No. : 103404-90-6
Molecular Formula : C₅H₆Na₂O₅
Molecular Weight : 192.08
Target : Histone Demethylase
Solubility : H₂O: ≥ 32 mg/mL



Biological Activity

A competitive inhibitor of multiple α -KG-dependent dioxygenases, including histone demethylases and the TET family of 5-methylcytosine (5mC) hydroxylases; partially and completely inhibits CeKDM7A demethylase at 50 mM and 100 mM, respectively; competes with α -KG and inhibits KDM5B/JARID1B/PLU-1 with K_i of 10.87 mM; binds and inhibits ATP synthase and inhibit mTOR signaling in IDH1 mutant cells

References

- Xu W, et al. Cancer Cell. 2011 Jan 18;19(1):17-30.
Fu X, et al. Cell Metab. 2015 Sep 1;22(3):508-15.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com