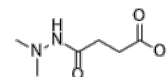


Product Name : Daminozide
Cat. No. : PC-27219
CAS No. : 1596-84-5
Molecular Formula : C₆H₁₂N₂O₃
Molecular Weight : 160.17
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

Daminozide is a plant growth regulator and selective inhibitor of **KDM2/7 JmjC subfamily** with IC₅₀ of 1.5 μM, 0.55 μM and 2.1 μM for KDM2A, PHF8 and KIAA1718 respectively.

Daminozide is >100-fold selective over KDM3A and other demethylases.

Daminozide is a competitive inhibitor with respect to 2OG (K_i=1.97 μM), but not peptide substrates.

References

Rose NR, et al. *J Med Chem.* 2012 Jul 26;55(14):6639-43.

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

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