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DATASHEET

Daminozide

Product overview

Name	Daminozide
Cat No	HB1404
Alternative names	N-(dimethylamino)succinamic acid
Biological action	Inhibitor
Description	Selective KDM2/7 histone demethylase inhibitor

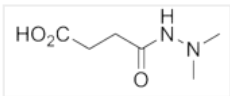
Biological Data

Biological description	Selective KDM2/7 JmjC subfamily histone demethylase inhibitor (IC ₅₀ values are 0.55, 1.5 and 2.1 μ M for PHF8, KDM2A and KDM7A respectively). Plant growth regulator.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (100mM) or DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	1-(2,2-Dimethylhydrazide)butanedioic acid
Molecular Weight	160.17
Chemical structure	

Molecular Formula	C ₆ H ₁₂ N ₂ O ₃
CAS Number	1596-84-5
PubChem identifier	15331
SMILES	O=C(NN(C)C)CCC(O)=O
InChiKey	NOQGZXFMHARMLW-UHFFFAOYSA-N

References

Plant growth regulator daminozide is a selective inhibitor of human KDM2/7 histone demethylases.

Rose NR *et al* (2012) J Med Chem 55(14)

PubMedID [22724510](#)