

Daminozide, KDM2/7 demethylase inhibitor

Catalog	Unit
TBI1403-50MG	50 mg
TBI1403-250MG	250 mg

Product Details

Formal Name: 1-(2,2-Dimethylhydrazide)butanedioic acid

Alternate Names: N-(Dimethylamino)succinamic acid

Molecular Formula: C₆H₁₂N₂O₃

Formula Weight: 160.17

CAS Number: 1596-84-5

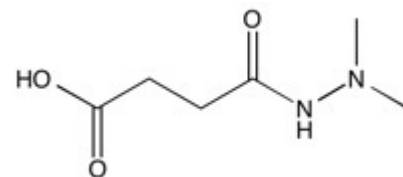
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml), or in Water (up to 20 mg/ml with warming).

Storage: RT

Stability: ≥ 2 years.



Applications

KDM2/7 demethylase inhibitor

Functions

A selective inhibitor of the KDM2/7 JmjC subfamily of histone demethylases. IC₅₀=1.5, 0.55 and 2.1 μM for KDM2A, PHF8 and KDM7A respectively. Highly selective over other subfamily members (KDM3, KDM4, KDM5 and KDM6) as well as other 2-oxoglutarate oxygenases (FIH, PHD2 and BBOX1), IC₅₀>100 μM1.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), or in Water (up to 20 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.