

HPA (Hexyl-4-pentynoic acid), HDAC inhibitor

Catalog	Unit
TBI1160-20MG	20mg
TBI1160-100MG	100mg

Product Details

Formal Name: 2-(2-Propynyl)octanoic acid (racemic)

Alternate Names: HPA

Molecular Formula: C₁₁H₁₈O₂

Formula Weight: 182.27

CAS Number: 96017-59-3

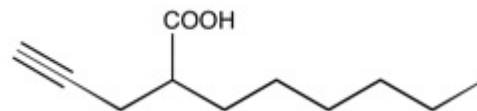
Purity: >98%

Formulation: oil

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

HDAC inhibitor

Functions

Histone deacetylase (HDAC) inhibitor, IC₅₀=13 μM. More potent and robust than valproic acid at inducing histone hyperacetylation (600% at 50 μM), HSP70 induction and protection against glutamate excitotoxicity in cultured neurons. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), 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.