

Catalog	Unit
TBI2415- 1G	1 g
TBI2415- 5G	5 g

Product Details

Formal Name: D-cis-Hexahydro-2-oxo-1H-thieno[3,4-d]imidazole-4-pentanoic acid

Molecular Formula: C₁₀H₁₆N₂O₃S

Formula Weight: 244.3

CAS Number: 58-85-5

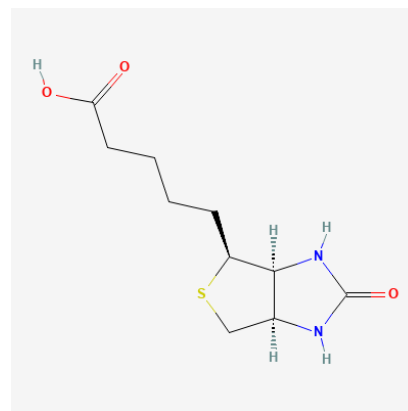
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 49 mg/ml), or Water (up to 0.2 mg/ml)

Storage: 4°C

Stability: ≥ 2 years.



Applications

Cofactor; Affinity label for bio-isolation and detection

Functions

Coenzyme for carboxylases and an essential nutrient for many metabolic processes involving carbohydrates, lipids, and amino acids. Nuclear chromatin is stabilized by covalent modification with biotin. In the laboratory it is used as a labeling and affinity purification tool in combination with streptavidin or related moieties.

Application Procedures

First dissolved in DMSO (up to 49 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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