

Catalog	Unit
TBI1142-10MG	10 mg
TBI1142-50MG	50 mg

Product Details

Formal Name: (2S,3S)-2-Amino-3-methyl-1-(thiazolidin-3-yl)pentan-1-one hemi-fumarate

Alternate Names: Isoleucine thiazolidide hemi-fumarate

Molecular Formula: C₉H₁₈N₂OS · 1/2(C₄H₄O₄)

Formula Weight: 202.32 · 58.04

CAS Number: 136259-20-6

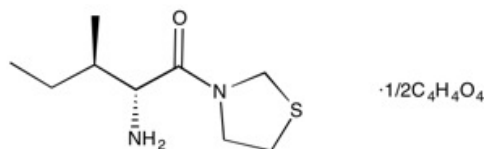
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Water (up to 20 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

DPPIV inhibitor

Functions

A potent and selective inhibitor of dipeptidyl peptidase IV (DPPIV) (K_i=130 nM). May be used in cell culture (1-10 μM) or in vivo (10 mg/kg orally). Cell permeable. Experimental anti-diabetic agent. This product not approved for human therapeutic use.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Water (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

For research use only.