

Catalog	Unit
TBI2859 - 1MG	1 mg
TBI2859 - 5MG	5 mg

Product Details

Formal Name: (3R,4R,5R)-5-Hydroxymethyl-3,5-piperidinediol tartrate

Molecular Formula: C₆H₁₃NO₃ / C₄H₆O₆

Formula Weight: 297.26

CAS Number: 957230-65-8

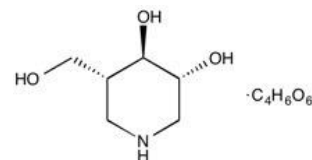
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 2 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Glucocerebrosidase activator/ chaperone

Functions

Isofagomine tartrate (957230-65-8) is a competitive inhibitor of human lysosomal β-glucosidase, IC₅₀ = 0.06 μM. Increases the activity of N370S mutant acid β-glucosidase (GlcCerase) in Gaucher fibroblasts. Displays a direct pharmacological chaperone effect greatly increasing the amount of newly synthesized GlcCerase that traffics out of the ER.

Application Procedures

First dissolved in DMSO (up to 2 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

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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