

Catalog	Unit
TBI2632 - 1MG	1 mg
TBI2632 - 5MG	5 mg

Product Details

Formal Name: (2R,3S,4R,5S)-2-(hydroxymethyl)-3,4,5-piperidinetriol, monohydrochloride

Alternate Names: 1-deoxygalactonojirimycin; DDIG; AT1001

Molecular Formula: C₆H₁₃NO₄ • HCl

Formula Weight: 199.60

CAS Number: 75172-81-5

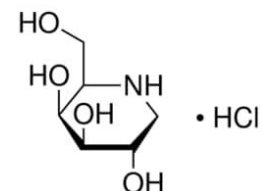
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

α -galactosidase inhibitor; pharmacological chaperone

Functions

Migalastat competitively inhibits alpha-galactosidase (IC₅₀ = 40 nM). It assists with lysosomal delivery of unstable proteins and therefore is a pharmacological chaperone for treatment of lysosomal storage disorders such as Fabry disease.

Application Procedures

First dissolved in DMSO (10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 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

For research use only.