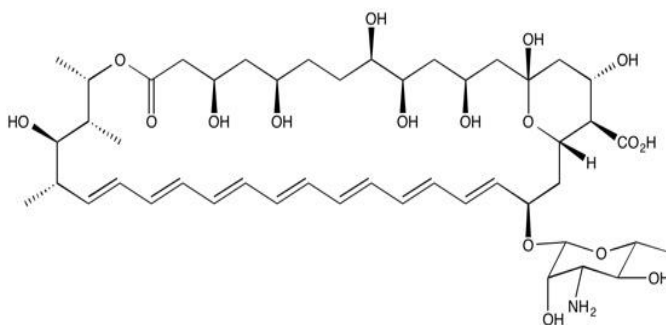


Amphotericin B, Antifungal Agent

Catalog	Unit
TBI2430 - 1G	1 g
TBI2430 - 5G	5 g

Product Details

Formal Name: Amphotericin B.
Alternate Name: NSC 527017
Molecular Formula: C₄₇H₇₃NO₁₇.
Formula Weight: 924.1.
CAS Number: 1397-89-3
Purity: ≥90%
Formulation: Powder.
Solubility: Soluble in DMSO (up to 18 mg/ml).
Storage: -20.
Stability: ≥ 2 years protect from light.



Applications

- Antifungal agent.

Functions

Amphotericin B is a powerful antimycotic, effective agent against a wide variety of fungi, including yeast, via two mechanisms: forming pores in the plasma membrane, leading to leakage and death, and causing oxidative stress. Other mechanisms have more recently been proposed, including formation of intracellular amphotericin B-containing vesicular bodies that target vacuoles. Amphotericin B is also effective against some parasites, such as *Leishmania* spp. Because of its potency and broad-spectrum activity, it is a common additive used to maintain sterility in cell culture and viral transport media.

Application Procedures

Amphotericin B can be first dissolved in DMSO or water (up to 8 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

Relative Products

TBI1092	AICAR, AMPK activator
TBI1029	Dorsomorphine, AMPK inhibitor
TBI2073	Forskolin, Adenylate cyclase activator
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI1126	Vinpocetine, PDE1 Inhibitor
TBI2657	Roflumilast, PDE4 Inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor

For research use only.