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## Product Datasheet

### Amphotericin B, CAS [[1397-89-3]] FBM-10-2430

Article Name	Amphotericin B, CAS [[1397-89-3]]
Biozol Catalog Number	FBM-10-2430
Supplier Catalog Number	10-2430
Alternative Catalog Number	FBM-10-2430-1G,FBM-10-2430-5G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Antifungal agent...
Molecular Weight	924.08
Purity	90% by HPLC NMR (Conforms)
Form	Yellow or orange solid
CAS Number	[1397-89-3]
Formula	C <sub>47</sub> H <sub>73</sub> N <sub>17</sub> O <sub>17</sub>
Application Notes	Amphotericin B is a powerful antimycotic, effective against a wide variety of fungi, including yeast, via two mechanisms: forming pores in the plasma membrane, leading to leakage and death <sup>1</sup> , and causing oxidative stress <sup>2</sup> . Other mechanisms have more recently been proposed, including formation of intracellular amphotericin B-containing vesicular bodies that target vacuoles <sup>3</sup> . Amphotericin B is also effective against some parasites, such as <i>Leishmania</i> spp <sup>4</sup> . Because of its potency and broad-spectrum activity, it is a common additive used to maintain sterility in cell culture and viral transport media.