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Product Datasheet

Dyclonine HCl, CAS [[536-43-6]]

FBM-10-3895

Article Name	Dyclonine HCl, CAS [[536-43-6]]
Biozol Catalog Number	FBM-10-3895
Supplier Catalog Number	10-3895
Alternative Catalog Number	FBM-10-3895-500MG, FBM-10-3895-2G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial function enhancer...
Molecular Weight	325.87
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[536-43-6]
Formula	C18H27NO2 HCl
Application Notes	<p>Dyclonine is a topical anesthetic which has been used for oral and throat analgesia.¹ Enhances neuronal mitochondrial function, potentiating respiration and providing protection against insults associated with neurodegenerative disorders.² Inhibits aldehyde dehydrogenase ALDH3A1 resulting in accumulation of 4-hydroxynonenal, which renders head and neck squamous cell carcinoma cells sensitive to the cystine-glutamate antiporter inhibitor, sulfasalazine.³ Rescues frataxin deficiency in animal models as well as in buccal cells of patients with Friedreichs Ataxia.⁴ Enhances the cytotoxic effect of proteasome inhibitors MG-1325 and bortezomib⁶ in cancer cells.</p>