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Product Datasheet

Tuberostemonine, CAS [[6879-01-2]]

MCE-HY-N0352

Article Name	Tuberostemonine, CAS [[6879-01-2]]
Biozol Catalog Number	MCE-HY-N0352
Supplier Catalog Number	HY-N0352
Alternative Catalog Number	MCE-HY-N0352-10MMX1ML, MCE-HY-N0352-25MG, MCE-HY-N0352-5MG, MCE-HY-N0352-10MG
Manufacturer	MedchemExpress
Category	Biochemikalien
Product Description	Tuberostemonine is a stenine alkaloid that can be isolated from <i>Stemona tuberosa</i> and <i>Stemona sessifolia</i> . Tuberostemonine is an antimalarial agent that has inhibitory activity against Ferredoxin-NADP ⁺ reductases (FNRs) from <i>Plasmodium falciparum</i> (PfFNRs). It has been shown to inhibit the growth of <i>P. falciparum</i> and <i>Plasmodium vivax</i> in vitro. Tuberostemonine has also been found to have anti-inflammatory and analgesic properties. It is a potent inhibitor of the enzyme ferredoxin-NADP ⁺ reductase (FNR) from <i>Plasmodium falciparum</i> (PfFNR), with an IC ₅₀ of approximately 10 μM. It has been shown to inhibit the growth of <i>P. falciparum</i> and <i>Plasmodium vivax</i> in vitro. Tuberostemonine has also been found to have anti-inflammatory and analgesic properties.
Molecular Weight	375.50
Purity	99.86
CAS Number	[6879-01-2]
Formula	C ₂₂ H ₃₃ NO ₄
Target	Parasite
Application Notes	MCE Product type: Natural Products