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Product Datasheet

Mitoguazone 2HCl, CAS [[31959-87-2]] FBM-10-4552

Article Name	Mitoguazone 2HCl, CAS [[31959-87-2]]
Biozol Catalog Number	FBM-10-4552
Supplier Catalog Number	10-4552
Alternative Catalog Number	FBM-10-4552-10MG,FBM-10-4552-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Polyamine biosynthesis inhibitor / SAM decarboxylase inhibitor...
Molecular Weight	257.13
Purity	98% by HPLC, NMR (Confirms)
Form	White solid
CAS Number	[31959-87-2]
Formula	C ₅ H ₁₂ N ₈ 2HCl
Application Notes	Mitoguazone is a potent and reversible inhibitor of S-adenosylmethionine decarboxylase (SAMD or AdoMetDC). ^{1,2} SAMD is a component of the polyamine-biosynthetic pathway, thus inhibition may lead to changes in polyamine metabolism. ³ Mitoguazone has also been shown to inhibit diamine oxidase and induce spermidine/spermine N-acetyltransferase. ^{4,5} Mitoguazone has been looked at as a potential anti-cancer treatment because of its ability to inhibit polyamine synthesis. ⁶