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Product Datasheet

SC-560, CAS [[188817-13-2]] FBM-10-2531

Article Name	SC-560, CAS [[188817-13-2]]
Biozol Catalog Number	FBM-10-2531
Supplier Catalog Number	10-2531
Alternative Catalog Number	FBM-10-2531-5MG,FBM-10-2531-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Selective COX-1 inhibitor...
Molecular Weight	352.74
Purity	>98%, NMR (Conforms)
Form	Brown solid
CAS Number	[188817-13-2]
Formula	C17H12ClF3N2O
Application Notes	SC-560 is a highly selective (700-fold selective over COX-2) and potent (IC ₅₀ = 9 nM) inhibitor of cyclooxygenase-1(COX-1). ¹ SC-560 inhibited TNFα-induced PGE ₂ synthesis in neurons and, PGE ₂ and thromboxane A ₂ synthesis in human monocytes and platelets (IC ₅₀ s = 1.8 nM and 2.5 nM respectively) indicating non-selective COX inhibition. SC-560 was able to inhibit PGE ₂ synthesis in COX-1-deficient neurons indicating a COX-1 independent mechanism. This unselective COX inhibition was only observed in whole cells - it remained COX-1 specific in cell lysates. ²