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Product Datasheet

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

Artikelname	SC-560, CAS [[188817-13-2]]
Artikelnummer	FBM-10-2531
Hersteller Artikelnummer	10-2531
Alternativnummer	FBM-10-2531-5MG, FBM-10-2531-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Selective COX-1 inhibitor...
Molekulargewicht	352.74
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	Brown solid
CAS Nummer	[188817-13-2]
Formel	C17H12ClF3N2O
Anwendungsbeschreibung	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 PGE2 synthesis in neurons and, PGE2 and thromboxane A2 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 PGE2 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