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Product Datasheet

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

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| 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% by TLC 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 TNF α -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 |