PRODUCT DATA SHEET

BML-ST391 U-73122
Inhibitor of PLC activation

Product Number/Sizes
BML-ST391-0025 25 mg
BML-ST391-0005 5 mg

Replaces Prod. #: ALX-370-005

Inhibits agonist induced phospholipase C (PLC) activation (IC50=1-2.1 µM) in human platelets. It also inhibits agonist induced down-regulation of muscarinic receptors in SK-N-SH neuroblastoma cells. It is a useful tool to investigate receptor-mediated PI turnover in signal transduction. It is a potent inhibitor of human neutrophil adhesion to biological surfaces as well as adhesion-dependent granule exocytosis and oxidative burst. Inhibits 5-LOxygenase in vivo and in vitro (IC50 = 30nM for recombinant enzyme and 2.4µM for PMNL homogenates).

Product Specifications
FORMULA: C20H24N2O3
MW: 464.7
PURITY: ≥99% (TLC)
APPEARANCE: white to off-white solid
CAS: 112648-68-7
SOLUBILITY: Soluble in methylene chloride or chloroform. Slightly soluble in DMSO (2mg/ml) or 100% ethanol (1mg/ml), sparingly soluble in aqueous solutions.

LONG TERM STORAGE: Ambient
USE/STABILITY: Stock solutions in DMSO or ethanol are stable for 2 months when stored at -20°C. Preferably dissolve just before use. Use caution in reusing stored DMSO solutions. Discard solutions that have turned to a pink color, which indicates a loss of inhibitor activity. Dried aliquots prepared from chloroform solutions are stable for up to 1 month when stored at -20°C.

HAZARD: IRRIANT.

Product Literature References
The aminosteroid phospholipase C antagonist U-73122 (1-[6-[(17-beta-3-methoxyestra-1,3,5(10)-trien-17-


J.E. Bleasdale et al. Neuropeptocids 3 125 (1992)


**Background/Technical Information**

Please click here for the comprehensive product datasheet.

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