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SB 203580 - CAS 152121-47-6 - Calbiochem SB 203580, CAS 152121-47-6, is a highly specific, potent, cell-permeable, selective, reversible, and ATP-competitive inhibitor of p38 MAP kinase (IC?? = 34 nM in vitro, 600 nM in cells).

Art. ID	SAF-559389-10MG
Unit	1 x 10 mg
Deliverydetails	No Dangerous Good

Description

Reduces epirubicin-induced cell injury and caspase-3/7 activity. A highly specific, potent, cell-permeable, selective, reversible, and ATP-competitive inhibitor of p38 kinase (IC50 = 34 nM in vitro, 600 nM in cells). Also known as reactivating kinase (RK) and CSBP (cytokine synthesis anti-inflammatory drug binding protein). Does not significantly inhibit JNK or p42 MAP kinase even at 100 &#181,M. Inhibits IL-1 and TNF-alpha production from LPS-stimulated human monocytes and the human monocyte cell line THP-1 (IC50 = 50-100 nM). SB 203580 has also been shown to be an effective inhibitor of inflammatory cytokine production in vivo in both mice and rats., Reduces epirubicin-induced cell injury and caspase-3/7 activity. A highly specific, potent, cell-permeable, selective, reversible, and ATP-competitive inhibitor of p38 MAP kinase (IC50 = 34 nM in vitro, 600 nM in cells). Does not significantly inhibit the JNK and p42 MAP kinase at 100 &#181,M. Inhibits IL-1 and TNF-alpha production from LPS-stimulated human monocytes and the human monocyte cell line THP-1 (IC50 = 50-100 nM). Inhibits bone morphogenetic protein-2-induced neurite outgrowth in PC12 cells. Also inhibits platelet aggregation caused by collagen (IC50 = 0.2-1.0 &#181,M) or the thromboxane analog U-46619 (Cat. No. 538944). A 1 mg/ml solution of SB 203580 (Cat. No. 559398) in anhydrous DMSO is also available.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	SB-203580	[152121-47-6]				