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## Product Datasheet

### NSC23766, CAS [[733767-34-5]] FBM-10-2731

Article Name	NSC23766, CAS [[733767-34-5]]
Biozol Catalog Number	FBM-10-2731
Supplier Catalog Number	10-2731
Alternative Catalog Number	FBM-10-2731-5MG, FBM-10-2731-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Rac1 GTPase inhibitor...
Molecular Weight	530.98
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[733767-34-5]
Formula	C <sub>24</sub> H <sub>35</sub> N <sub>7</sub> 3HCl
Application Notes	NSC-23766 is a selective inhibitor of Rac1-GEF interaction. Prevents Rac1 activation by Rac-specific guanine nucleotide exchange factors (GEFs) Trio and Tiam1 (IC <sub>50</sub> ca. 50 µM) with no effect on the closely related Cdc42 or RhoA. In cells, it blocks serum or PDGF-induced Rac-1 activation and lamellipodia formation. NSC-23766 suppressed the growth of wild-type NIH 3T3 cells but was inactive in cells expressing the constitutively active Rac1 mutant, L61Rac1.1 It is a useful tool to probe the involvement of Rac1 in cell signalling.2 Off target effect: antagonist at muscarinic acetylcholine receptors.3 Cell permeable.