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Product Datasheet

Chroman 1, CAS [[1273579-40-0]] FBM-10-4912

Article Name	Chroman 1, CAS [[1273579-40-0]]
Biozol Catalog Number	FBM-10-4912
Supplier Catalog Number	10-4912
Alternative Catalog Number	FBM-10-4912-1MG, FBM-10-4912-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ROCK II inhibitor / Stem cell cytoprotectant...
Molecular Weight	436.51
Purity	99% by HPLC NMR (conforms)
Form	White solid
CAS Number	[1273579-40-0]
Formula	C ₂₄ H ₂₈ N ₄ O ₄
Application Notes	Extremely potent inhibitor of Rho kinase II (ROCK-II) ^{1,2} - it displayed greater selectivity and potency compared to Y-27632 (IC ₅₀ s: ROCK I = 52 pM/ROCK II = 1 pM, Y-27632 IC ₅₀ s: ROCK I = 71 nM/ROCK II = 46 nM) ³ . Chroman 1, used in conjunction with trans-ISRIB (Cat 10-1539), Emricasan (Cat 10-4280), and polyamines (CEPT cocktail), promotes cytoprotective cell survival in human pluripotent stem cells (hPSCs) and was found to superior to Y-27632. ³ Chroman 1 is an important new tool in the generation and maintenance of stem cells.