**BIOZOL**

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# Product Datasheet

## Chroman 1, CAS [[1273579-40-0]]

## FBM-10-4912

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|---|---|
| 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 | C24H28N4O4 |

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|---|---|
| Application Notes | Extremely potent inhibitor of Rho kinase II (ROCK-II)1,2 - it displayed greater selectivity and potency compared to Y-27632 (IC50s: ROCK I = 52 pM/ROCK II = 1 pM, Y-27632 IC50s: 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. |