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Product Datasheet

ANA-12, CAS [[219766-25-3]]

FBM-10-2828

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| Article Name | ANA-12, CAS [[219766-25-3]] |
| Biozol Catalog Number | FBM-10-2828 |
| Supplier Catalog Number | 10-2828 |
| Alternative Catalog Number | FBM-10-2828-5MG, FBM-10-2828-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | TrkB antagonist... |
| Molecular Weight | 407.49 |
| Purity | 98% by TLC, NMR (Conforms) |
| Form | White solid |
| CAS Number | [219766-25-3] |
| Formula | C22H21N3O3S |
| Application Notes | <p>TrkB receptor antagonist. Binds to two distinct receptor sites preventing activation by BDNF non-competitively, IC50 = 45.6 nM and 41.1 µM for the high and low affinity sites respectively. Systemic administration to adult mice decreased TrkB activity in the brain without affecting neuronal survival or altering TrkA and TrkC functions. Displays antidepressant and anxiolytic properties in mouse models after systemic administration¹. Shows antidepressant effects on LPS-induced depression-like behavior in mice². Has been used to elucidate the role of BDNF in improvement of cognitive decline during calorie restriction³ and in the discovery of new neurotrophic agents⁴.</p> |