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## Product Datasheet

### Stattic, CAS [[19983-44-9]] FBM-10-2524

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | Stattic, CAS [[19983-44-9]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Artikelnummer            | FBM-10-2524                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hersteller Artikelnummer | 10-2524                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Alternativnummer         | FBM-10-2524-10MG,FBM-10-2524-50MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Produktbeschreibung      | STAT3 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Molekulargewicht         | 211.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reinheit                 | 98% by TLC, NMr (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formulierung             | Light yellow solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CAS Nummer               | [19983-44-9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Formel                   | C <sub>8</sub> H <sub>5</sub> NO <sub>4</sub> S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Anwendungsbeschreibung   | STAT3 inhibitor. Inhibits binding of tyrosine-phosphorylated peptides to STAT3 SH2 domain and inhibiting STAT3 activation, dimerization and nuclear translocation <sup>1</sup> . Displays selectivity over STAT1, STAT5, c-Myc/Max, Jun/Jun and Lck. Induces apoptosis in STAT3-dependent cancer cell lines. Alkyates four cysteine residues on STAT3 <sup>2</sup> . Exhibits potent antitumor activity <sup>3</sup> . Protects against angiotensin II-induced vascular dysfunction and hypertension <sup>4</sup> . An extremely useful tool to probe involvement of STAT3 in cellular signaling. |