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## Product Datasheet

### Thiostrepton, CAS [[1393-48-2]] FBM-10-2108

|                            |   |
|----------------------------|---|
| Article Name               | Thiostrepton, CAS [[1393-48-2]]   |
| Biozol Catalog Number      | FBM-10-2108   |
| Supplier Catalog Number    | 10-2108   |
| Alternative Catalog Number | FBM-10-2108-1G,FBM-10-2108-5G   |
| Manufacturer               | Focus Biomolecules  |
| Category                   | Biochemikalien  |
| Product Description        | Antibiotic and FOXM1 inhibitor...   |
| Molecular Weight           | 1664.91   |
| Purity                     | 98% by TLC and HPLC   |
| Form                       | Off-white solid   |
| CAS Number                 | [1393-48-2]   |
| Formula                    | C72H85N19O18S5  |
| Application Notes          | Novel cyclopeptide antibiotic. Blocks bacterial protein synthesis by inhibition of mRNA-tRNA translocation by GTPase elongation factor G (EF-G), EF-TU(GTP)-catalyzed aa-tRNA delivery as well as the activity of initiation factor-1 (IF-2)1-2. Displays antitumor activity. Induces apoptosis and cell cycle arrest in various tumor cells via downregulation of FOXM1 expression3. |