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## Product Datasheet

### Mirin, CAS [[299953-00-7]] FBM-10-1069

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| Article Name               | Mirin, CAS [[299953-00-7]]                                                                                                                                                                                                                                                                                                                  |
| Biozol Catalog Number      | FBM-10-1069                                                                                                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | 10-1069                                                                                                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | FBM-10-1069-5MG,FBM-10-1069-25MG                                                                                                                                                                                                                                                                                                            |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                          |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                              |
| Product Description        | Mre11-Rad50-Nbs1 inhibitor...                                                                                                                                                                                                                                                                                                               |
| Molecular Weight           | 220.25                                                                                                                                                                                                                                                                                                                                      |
| Purity                     | 98% by TLC, NMR Conforms                                                                                                                                                                                                                                                                                                                    |
| Form                       | Tan solid                                                                                                                                                                                                                                                                                                                                   |
| CAS Number                 | [299953-00-7]                                                                                                                                                                                                                                                                                                                               |
| Formula                    | C10H8N2O2S                                                                                                                                                                                                                                                                                                                                  |
| Application Notes          | Mirin is an inhibitor of the Mre11-Rad50-Nbs1(MRN) complex (IC50 = 12 µM for inhibition of ATM activity), part of the MRN-ATM(ataxia-telangiectasia mutated) pathway, an essential pathway for sensing and signaling from DNA double-strand breaks. Mirin abolishes the G2/M checkpoint and homologous-dependent repair in mammalian cells. |