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## Product Datasheet

### VE-821 FBM-10-5589

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Article Name               | VE-821                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Biozol Catalog Number      | FBM-10-5589                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | 10-5589                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | FBM-10-5589-5MG,FBM-10-5589-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product Description        | ATR inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Molecular Weight           | 368.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity                     | 98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Form                       | Beige solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CAS Number                 | [1232410-49-9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Formula                    | C18H16N4O3S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Application Notes          | VE-821 is a potent and selective ATP-competitive ATR (Ataxia-telangiectasia and Rad3-related protein) inhibitor, $K_i=13$ nM. <sup>1</sup> Increases the sensitivity of pancreatic <sup>2</sup> and ovarian <sup>3</sup> cancer cells to radiation and chemotherapy. Increased replication stress induced by PARP inhibitors or chemotherapeutic agents increases sensitivity to VE-821 in neuroblastoma cells. <sup>4</sup> Enhances the cytotoxicity of DNA damaging agents. <sup>5</sup> |