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## Product Datasheet

### CR8 3HCl (R) FBM-10-5507

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | CR8 3HCl (R)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Biozol Catalog Number      | FBM-10-5507                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Supplier Catalog Number    | 10-5507                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Alternative Catalog Number | FBM-10-5507-5MG,FBM-10-5507-25MG                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product Description        | CDK inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Molecular Weight           | 540.91                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purity                     | 98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form                       | White or off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CAS Number                 | [294646-77-8]                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formula                    | C <sub>24</sub> H <sub>29</sub> N <sub>7</sub> O 3HCl                                                                                                                                                                                                                                                                                                                                                                                               |
| Application Notes          | Second generation analog of roscovitine which inhibits cyclin-dependent kinases with increased potency, Cdk1/cyclin B, Cdk2/cyclin A, Cdk2/cyclin E, Cdk5, p25, and Cdk9/cyclin T, IC <sub>50</sub> s=0.09, 0.072, 0.041, 0.11 and 0.18 M respectively. <sup>1,2</sup> Acts as a molecular glue degrader that depletes cyclin K. <sup>3</sup> CR8 displays neuroprotective effects in various models including traumatic brain injury. <sup>4</sup> |