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## Product Datasheet

### Brequinar sodium, CAS [[96201-88-6]] FBM-10-3965

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| Article Name               | Brequinar sodium, CAS [[96201-88-6]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Biozol Catalog Number      | FBM-10-3965                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Supplier Catalog Number    | 10-3965                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alternative Catalog Number | FBM-10-3965-10MG,FBM-10-3965-50MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Description        | Dihydroorotate dehydrogenase inhibitor, antiviral...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Molecular Weight           | 397.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity                     | 99% by HPLC NMR Conforms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form                       | White to off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CAS Number                 | [96201-88-6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Formula                    | C <sub>23</sub> H <sub>14</sub> F <sub>2</sub> NO <sub>2</sub> Na                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Application Notes          | Brequinar sodium is an inhibitor of dihydroorotate dehydrogenase (DHODH) <sup>1,2</sup> with IC <sub>50</sub> s between 0.2 and 5.8 μM in various cell lines <sup>3</sup> and 20 nM in isolated enzyme <sup>4</sup> . It reduced leukemic cell burden, decreased levels of leukemia-initiating cells, and improved survival in human and mouse models of acute myeloid leukemia. <sup>4</sup> Brequinar displayed broad antiviral activity against flaviviruses, positive-strand RNA alphaviruses, negative-strand RNA rhabdoviruses, Influenza A and B viruses, and HIV. <sup>5,6,7</sup> |