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## Product Datasheet

### Enasidenib, CAS [[1446502-11-9]] FBM-10-4660

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| Article Name               | Enasidenib, CAS [[1446502-11-9]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Biozol Catalog Number      | FBM-10-4660                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supplier Catalog Number    | 10-4660                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternative Catalog Number | FBM-10-4660-5MG,FBM-10-4660-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product Description        | IDH2 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Molecular Weight           | 473.38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity                     | 98%, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form                       | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CAS Number                 | [1446502-11-9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Formula                    | C19H17F6N7O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Application Notes          | Enasidenib is a potent (IC50s = 100 nM IDH2R140Q homodimer, 30 nM IDH2R140Q/WT heterodimer and 10 nM IDH2R172K/WT heterodimer) and selective inhibitor of mutant isocitrate dehydrogenase 2 (IDH2). <sup>1</sup> It suppressed the production of the oncometabolite (R)-2-Hydroxyglutarate (a competitive inhibitor of alphaKG-dependent dioxygenases which leads to epigenetic dysregulation) and induced cellular differentiation in primary human IDH2 mutation-positive acute myeloid leukemia cells. <sup>1,2</sup> Recently approved for clinical use by the FDA. |