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## Product Datasheet

### Ibudilast, CAS [[50847-11-5]] FBM-10-2236

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| Article Name               | Ibudilast, CAS [[50847-11-5]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Biozol Catalog Number      | FBM-10-2236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Supplier Catalog Number    | 10-2236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alternative Catalog Number | FBM-10-2236-5MG,FBM-10-2236-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Description        | Neuroinflammation inhibitor (PDE pan-inhibitor)...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Molecular Weight           | 230.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity                     | 98% by HPLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form                       | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CAS Number                 | [50847-11-5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Formula                    | C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Application Notes          | Phosphodiesterase inhibitor with some selectivity for PDE4 and 5. (IC <sub>50</sub> s= 53, 35, 48,12 and10 µM for PDE 1a, 2, 3, 4 and 5 respectively <sup>1</sup> ). Acts as a cerebral vasodilator by selectively inducing a cGMP-independent relaxation of the intracranial vertebrobasilar artery. <sup>2</sup> Attenuates neuroinflammation and enhances retinal ganglion cell viability in glaucoma via PKA signaling. <sup>3</sup> A glial cell activation inhibitor. <sup>4</sup> Enhances morphine analgesia and attenuates tolerance and withdrawal. <sup>5</sup> Orally active and crosses the blood-brain barrier. <sup>5</sup> |