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## Product Datasheet

### Montelukast sodium, CAS [[151767-02-1]] FBM-10-2597

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Article Name               | Montelukast sodium, CAS [[151767-02-1]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Biozol Catalog Number      | FBM-10-2597                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | 10-2597                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | FBM-10-2597-50MG,FBM-10-2597-250MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product Description        | Leukotriene CysLT1 antagonist and GPR17 antagonist...                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Molecular Weight           | 608.17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity                     | 98% by HPLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Form                       | Solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CAS Number                 | [151767-02-1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Formula                    | C <sub>35</sub> H <sub>35</sub> ClNO <sub>3</sub> S Na                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Application Notes          | Potent, selective CysLT1 receptor (leukotriene D4) antagonist (K <sub>i</sub> = 0.18 nM). <sup>1,2</sup> Displays anti-inflammatory and anti-asthmatic effects. Clinically useful agent for treatment of chronic asthma. <sup>3</sup> Attenuates chronic brain injury after focal cerebral ischemia in rodent models. <sup>4</sup> Decreases blood brain barrier dysfunction in mouse models. <sup>5</sup> Blockade of GPR17 by montelukast elevates neural stem and progenitor proliferation. <sup>6</sup> |