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## Product Datasheet

### PCI-34051, CAS [[950762-95-5]] FBM-10-3396

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Article Name               | PCI-34051, CAS [[950762-95-5]]                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Biozol Catalog Number      | FBM-10-3396                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supplier Catalog Number    | 10-3396                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Catalog Number | FBM-10-3396-5MG,FBM-10-3396-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product Description        | HDAC8 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Molecular Weight           | 296.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity                     | >98% by TLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form                       | Off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CAS Number                 | [950762-95-5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Formula                    | C17H16N2O3                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Application Notes          | <p>PCI-34051 is a potent and selective HDAC8 inhibitor (IC<sub>50</sub>=10 nM) with greater than 200-fold selectivity over HDACs 1, 2, 3, 6, 10.1 Unlike broad-spectrum HDAC inhibitors, it does not cause detectable histone or tubulin acetylation.<sup>1</sup> Studies employing PCI-34051 showed that HDAC8 catalyzes the hydrolysis of long chain fatty acyl lysine.<sup>2</sup> It is a very useful tool for exploring the role of HDAC8 in cellular function.<sup>3-6</sup></p> |