

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Fasentin, CAS [[392721-37-8]] FBM-10-3730

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Fasentin, CAS [[392721-37-8]]                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Biozol Catalog Number      | FBM-10-3730                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Supplier Catalog Number    | 10-3730                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternative Catalog Number | FBM-10-3730-5MG,FBM-10-3730-25MG                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product Description        | Glucose uptake inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Molecular Weight           | 279.64                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity                     | 98% by TLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form                       | Off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CAS Number                 | [392721-37-8]                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formula                    | C <sub>11</sub> H <sub>9</sub> ClF <sub>3</sub> NO <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                               |
| Application Notes          | A novel inhibitor of glucose uptake which acts via inhibition of the glucose transporter GluT1 and GluT4 (IC <sub>50</sub> =68 M). <sup>1</sup> Inhibition of glucose uptake is cell type specific <sup>2</sup> and is a promising approach to new cancer therapeutics <sup>3</sup> . Rescues cardiac progenitor cell dysfunction and mitochondrial fission induced by high glucose <sup>4</sup> . Sensitizes cells to FAS-induced cell death. <sup>5,6</sup> |