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## Product Datasheet

### N6022, CAS [[1208315-24-5]] FBM-10-4103

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| Article Name               | N6022, CAS [[1208315-24-5]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Biozol Catalog Number      | FBM-10-4103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Supplier Catalog Number    | 10-4103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Alternative Catalog Number | FBM-10-4103-5MG,FBM-10-4103-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Description        | S-Nitrosogluthione reductase inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Molecular Weight           | 414.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity                     | >98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form                       | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CAS Number                 | [1208315-24-5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formula                    | C24H22N4O3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Application Notes          | N6022 is a potent and reversible inhibitor of S-nitrosogluthione reductase (GSNOR) - IC50 = 20 nM1, 8 nM2. It demonstrated significant efficacy in a mouse models of ovalbumin-induced asthma, chronic obstructive pulmonary disease, and irritable bowel syndrome. N6022 was able to attenuate experimental autoimmune encephalomyelitis (an animal model of multiple sclerosis) via selective inhibition of pro-inflammatory CD4+ cells (TH1/TH17) while upregulating anti-inflammatory subsets of CD4+ cells (TH2/Treg) without causing lymphopenia. <sup>3</sup> |