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## Product Datasheet

### ISRIB, CAS [[1597403-47-8]] FBM-10-1539

|                            |   |
|----------------------------|---|
| Article Name               | ISRIB, CAS [[1597403-47-8]]   |
| Biozol Catalog Number      | FBM-10-1539   |
| Supplier Catalog Number    | 10-1539   |
| Alternative Catalog Number | FBM-10-1539-5MG, FBM-10-1539-25MG   |
| Manufacturer               | Focus Biomolecules  |
| Category                   | Biochemikalien  |
| Product Description        | Integrated stress response inhibitor...   |
| Molecular Weight           | 451.34  |
| Purity                     | 98% by TLC, NMR (Conforms)  |
| Form                       | White solid   |
| CAS Number                 | [1597403-47-8]  |
| Formula                    | C22H24Cl2N2O4   |
| Application Notes          | Integrated stress response inhibitor. Potently reverses the effects of initiation factor 2alpha (eIF2alpha) phosphorylation, IC50=5 nM.1 Enhances spatial and fear-associated learning in mice and enhances cognitive function.1,2 Mechanism of action involves activation of eIF2beta.3 Suppresses ER stress-induced inflammatory gene expression.4 Potently attenuates amyloid beta-induced neuronal cell death (12.5-25 nM) with no effect on amyloid beta production.5 Reverses hippocampal-dependent cognitive deficits induced by traumatic brain injury in two different injury mouse models.6 |