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## Product Datasheet

### URMC-099, CAS [[1229582-33-5]]

### FBM-10-4012

|                            |   |
|----------------------------|---|
| Article Name               | URMC-099, CAS [[1229582-33-5]]  |
| Biozol Catalog Number      | FBM-10-4012   |
| Supplier Catalog Number    | 10-4012   |
| Alternative Catalog Number | FBM-10-4012-5MG, FBM-10-4012-25MG   |
| Manufacturer               | Focus Biomolecules  |
| Category                   | Biochemikalien  |
| Product Description        | Mixed-lineage kinase 3 inhibitor...   |
| Molecular Weight           | 421.54  |
| Purity                     | 98% by TLC NMR (Conforms)   |
| Form                       | Off-white solid   |
| CAS Number                 | [1229582-33-5]  |
| Formula                    | C27H27N5  |
| Application Notes          | URMC-099 is a potent (IC50 = 14 nM), brain penetrant mixed-lineage kinase 3 inhibitor (MLK3). It also potently inhibits FLT3 (4 nM in vitro, but 560 nM in vivo), LRRK2 (11 nM), and ABL1 (3 nM). <sup>1</sup> URMC-099 displayed neuroprotective effects in HIV-associated neurocognitive disorders <sup>2</sup> and facilitated microglial amyloid- degradation and clearance in mouse models. <sup>3,4</sup> URMC-099 increased CD8+ T cells in mice and increased the CD8+GZMB+ T cell population in blood mononuclear cells isolated from breast cancer patients. <sup>5</sup> |