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## Product Datasheet

### **iGP-1** **FBM-10-4747**

|                            |  |
|----------------------------|--|
| Article Name               | iGP-1  |
| Biozol Catalog Number      | FBM-10-4747  |
| Supplier Catalog Number    | 10-4747  |
| Alternative Catalog Number | FBM-10-4747-5MG,FBM-10-4747-25MG   |
| Manufacturer               | Focus Biomolecules   |
| Category                   | Biochemikalien   |
| Product Description        | Mitochondrial GPDH inhibitor...  |
| Molecular Weight           | 309.32   |
| Purity                     | 98% by TLC NMR (Conforms)  |
| Form                       | Beige solid  |
| CAS Number                 | [27031-00-1]   |
| Formula                    | C17H15N3O3   |
| Application Notes          | A potent and cell permeable inhibitor of the mitochondrial glycerol-3-phosphate dehydrogenase (mGPDH), IC <sub>50</sub> =6.3 M, which is selective over the cytosolic enzyme <sup>1</sup> . It does not block pyruvate uptake into cells or mitochondria and has no direct effect on glycolysis in synaptosomes. This novel inhibitor is a unique tool which may be used to investigate the role of glycerol-3-phosphate metabolism in isolated and intact systems. <sup>1</sup> |