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## Product Datasheet

### TGX-221, CAS [[663619-89-4]] FBM-10-4783

|                            |  |
|----------------------------|--|
| Article Name               | TGX-221, CAS [[663619-89-4]]   |
| Biozol Catalog Number      | FBM-10-4783  |
| Supplier Catalog Number    | 10-4783  |
| Alternative Catalog Number | FBM-10-4783-5MG,FBM-10-4783-25MG   |
| Manufacturer               | Focus Biomolecules   |
| Category                   | Biochemikalien   |
| Product Description        | Potent and selective PI3K $\beta$ inhibitor...   |
| Molecular Weight           | 364.45   |
| Purity                     | 98% by HPLC NMR (Conforms)   |
| Form                       | Off-white solid  |
| CAS Number                 | [663619-89-4]  |
| Formula                    | C <sub>21</sub> H <sub>24</sub> N <sub>4</sub> O <sub>2</sub>  |
| Application Notes          | TGX-221 is a potent (IC <sub>50</sub> = 5 nM) and selective (1000-fold over p110 $\alpha$ and p110 $\gamma$ ) inhibitor of PI3-kinase isoform p110 $\beta$ . <sup>1</sup> Displays anti-thrombotic activity without affecting bleeding time. <sup>1,2</sup> It significantly inhibited tumorigenesis in VHL, SETD2, PTEN, and CDKN2A mutated clear cell renal cell carcinoma. <sup>3</sup> TGX-221 induced apoptosis in glioblastoma cells and inhibited cell migration and invasion. <sup>4</sup> |