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## Product Datasheet

### CAIF FBM-10-4406

Article Name	CAIF
Biozol Catalog Number	FBM-10-4406
Supplier Catalog Number	10-4406
Alternative Catalog Number	FBM-10-4406-10MG, FBM-10-4406-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	FUT8 inhibitor...
Molecular Weight	556.69
Purity	>98% by TLC NMR (Conforms)
Form	White solid
Formula	C <sub>27</sub> H <sub>46</sub> BrN <sub>3</sub> O <sub>4</sub>
Application Notes	CAIF is a covalent allosteric inhibitor of fucosyltransferase 8 (FUT8, IC <sub>50</sub> = 5.7 μM). Selective over FUT3 and FUT4. FUT8 is involved in tumor invasion, metastasis, and immune evasion as well as antitumor immunity and drug resistance. It displayed minimal cytotoxicity and displayed efficacy in inhibiting core fucosylation in multiple cancer cell lines. CAIF also suppressed cancer cell migration and invasion in multiple tumor models.