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## Product Datasheet

### FB23-2, CAS [[2243736-45-8]] FBM-10-4852

Article Name	FB23-2, CAS [[2243736-45-8]]
Biozol Catalog Number	FBM-10-4852
Supplier Catalog Number	10-4852
Alternative Catalog Number	FBM-10-4852-5MG, FBM-10-4852-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	FTO inhibitor...
Molecular Weight	392.24
Purity	98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[2243736-45-8]
Formula	C18H15Cl2N3O3
Application Notes	<p>FB23-2 is an inhibitor (<math>IC_{50} = 2.6 \mu M</math>) of the mRNA m6A demethylase fat-mass- and obesity-associated protein (FTO).<sup>1</sup> Displays significant anti-proliferative activity in NB4 (<math>IC_{50} = 0.8 \mu M</math>) and MONOMAC6 (<math>IC_{50} = 1.5 \mu M</math>) cells. Selective against the RNA demethylase ALKB5. FB23-2 induced myeloid differentiation and apoptosis in acute myeloid leukemia cells. FB23-2 suppressed the proliferation and migration of hepatocellular carcinoma cells via suppressing the expression of the kinase ERBB3 and human tubulin beta class Iva (TUBB4A).<sup>2</sup></p>