

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

**DO264, CAS [[2301866-59-9]]**

**FBM-10-3712**

Article Name	DO264, CAS [[2301866-59-9]]
Biozol Catalog Number	FBM-10-3712
Supplier Catalog Number	10-3712
Alternative Catalog Number	FBM-10-3712-5MG, FBM-10-3712-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ABHD12 inhibitor...
Molecular Weight	542.40
Purity	98% by HPLC NMR (Conforms)
Form	Pale-yellow solid
CAS Number	[2301866-59-9]
Formula	C23H20Cl2F3N5OS

Application Notes

A potent, reversible competitive inhibitor of ABHD12 ( $\beta$ -hydrolase domain-containing 12) which shows negligible interaction with other serine hydrolases as determined by activity-based protein profiling.<sup>1</sup> The IC<sub>50</sub> of DO264 was determined to be 11 nM in isolated enzyme assays and it was shown to be active *in vivo* and brain penetrant. The compound was shown to produce significant elevation of brain lyso-PS/PI and C20:4 PS content in mice.<sup>2</sup> THP-1 macrophages show increased cytokine production and mice show exacerbated immune responses to LCMV infection after treatment with DO264.<sup>1,2</sup> Cellular studies should be limited to a concentration of 1 M which is sufficient to fully inhibit ABHD12 and avoid cytotoxicity.<sup>1</sup> Treatment of mice may be done at 30 mg/Kg po or ip with no overt signs of toxicity.<sup>1</sup>