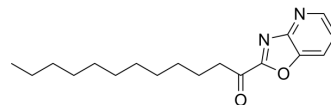


CAY10435

Cat. No.:	HY-120650
CAS No.:	288862-73-7
Molecular Formula:	C ₁₈ H ₂₆ N ₂ O ₂
Molecular Weight:	302.41
Target:	FAAH
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CAY10435 is a β -ketoazapyridine, selective FAAH inhibitor with antimicrobial activity. CAY10435 binds non-competitively to the FAAH of <i>Dictyostelium discoideum</i> with a K _d value of 0.57 nM ^{[1][2]} .
IC ₅₀ & Target	Ki: 0.57 nM (FAAH, <i>Dictyostelium discoideum</i>) ^[1]

REFERENCES

[1]. Hayes AC, et al. Identification of N-acylethanolamines in *Dictyostelium discoideum* and confirmation of their hydrolysis by fatty acid amide hydrolase. *J Lipid Res.* 2013 Feb;54(2):457-66.

[2]. Glaser ST, et al. Ex vivo imaging of fatty acid amide hydrolase activity and its inhibition in the mouse brain. *J Pharmacol Exp Ther.* 2006 Mar;316(3):1088-97.

Caution: Product has not been fully validated for medical applications. For research use only.

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