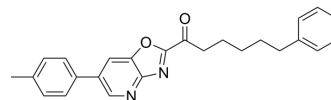


## LEI105

Cat. No.:	HY-112828
CAS No.:	1800327-36-9
Molecular Formula:	C <sub>25</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	384.47
Target:	DAGL
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

LEI105 is a potent, highly selective and reversible dual diacylglycerol lipase (DAGL)- $\alpha$ /DAGL- $\beta$  inhibitor. LEI105 reduces 2-arachidonoylglycerol levels in Neuro2A cells. LEI105 also reduces cannabinoid CB1-receptor-mediated short-term synaptic plasticity in a mouse hippocampal slice model. LEI105 is promising for research of diseases, such as obesity, related metabolic disorders and neuroinflammation<sup>[1]</sup>.

## REFERENCES

[1]. Baggelaar MP, et al. Highly Selective, Reversible Inhibitor Identified by Comparative Chemoproteomics Modulates Diacylglycerol Lipase Activity in Neurons. *J Am Chem Soc.* 2015 Jul 15;137(27):8851-7.

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

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