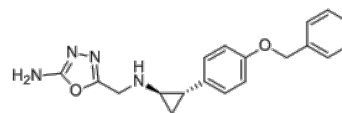


Product Name : Vafidemstat
Cat. No. : PC-35471
CAS No. : 1357362-02-7
Molecular Formula : C₁₉H₂₀N₄O₂
Molecular Weight : 336.395
Target : Histone Demethylase
Solubility : 10 mM in DMSO



1. Maes T, et al. *PLoS One*. 2020 May 29;15(5):e0233468.

Biological Activity

Vafidemstat (ORY-2001, ORY2001) is a potent, selective, brain penetrant dual lysine-specific histone demethylase (**LSD1**, KDM1A)/**MAO-B** inhibitor with IC₅₀ of 105 nM (KDM1A) and 58 nM (MAO-B).

ORY-2001 corrects memory deficit and behavior alterations including aggression and social interaction deficits in SAMP8 mice and social avoidance in the rat rearing isolation model.

ORY-2001 increases the responsiveness of IEGs, induces genes required for cognitive function and reduces neuroinflammation in the brain of mouse models of CNS disease.

References

