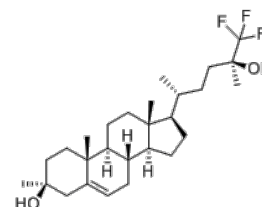


Product Name : SAGE-718
Cat. No. : PC-49063
CAS No. : 1629853-48-0
Molecular Formula : C₂₇H₄₃F₃O₂
Molecular Weight : 456.634
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

Dalzanemdor (SAGE-718) is a potent and high intrinsic activity N-Methyl-d-aspartate receptor (**NMDAR**) positive allosteric modulator with EC₅₀ of 86 and 79 nM for GluN2A and GluN2B, respectively, reverses DOI-induced increases in locomotor activity.

Administration of SAGE-718 (1 mg/kg DOI) significantly increased locomotor activity and rearing compared to vehicle. Acute administration of SAGE-718 (5-10 mg/kg) significantly reduced DOI-induced increases in distance traveled and rearing during the first 30 min after DOI administration.

SAGE-718 is currently in a placebo-controlled phase 2 clinical study to evaluate its impact on cognitive deficits in an HD patient population.

References

Matthew D Hill, et al. *J Med Chem*. 2022 Jul 2. doi: 10.1021/acs.jmedchem.2c00313.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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