Data Sheet

Product Name	:	LSN3172176
Cat. No.	:	PC-63443
CAS No.	:	3033820-85-5
Molecular Formula	:	$C_{22}H_{31}N_3O_3$
Molecular Weight	:	385.508
Target	:	mAChR
Solubility	:	10 mM in DMSO
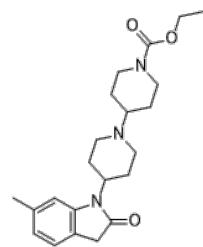
CAS: 3033820-85-5

Biological Activity

LSN3172176 is a potent, selectiive **M1 mAChR** partial agonist (EC50 2.4-7.0nM, Emax 43%-73%), shows binding selectivity for M1 mAChRs (Kd=1.5 nM).
LSN3172176 is a potential PET tracer for assessment of M1 mAChR target engagement in the clinic and to further elucidate the function of M1 mAChRs in health and disease.

References

Mogg AJ, et al. *J Pharmacol Exp Ther*. 2018 Apr 11. pii: jpet.117.246454.