Product Data Sheet

Product Name: 11C-MK-3168
Cat. No.: GC33583

Chemical Properties

Cas. No.	1242441-58-2		
SMILES	ClC1=CN=C(SC2=C(C3=CC=C([C@H]4C[C@@H]4C(N(C)C)=O)C=C3)N=CN2[11CH3])C=C1		
Formula	$C_{20\ 11}CH_{21}ClN_4OS$	M.Wt	411.94
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	11C-MK-3168		

Background

11C-MK-3168 is a potent, reversible and blood/brain barrier penetrated fatty acid amide hydrolase (FAAH) inhibitor, with IC50s of 1.0, 1.7 and 5.5 nM for human, rat and rhesus FAAH, respectively.

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[1]. Liu P, et al. Discovery of MK-3168: A PET Tracer for Imaging Brain Fatty Acid Amide Hydrolase. ACS Med Chem Lett. 2013 Apr 20;4(6):509-13.

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