

Product Data Sheet

Product Name: Sob-AM2

Cat. No.: GC74079

Chemical Properties

Cas. No. 2128258-47-7

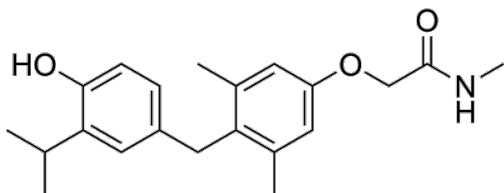
Formula $C_{21}H_{27}NO_3$ M.Wt 341.44

Solubility DMSO : 20 mg/mL (58.58 mM; Need ultrasonic and warming) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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



Background

Sob-AM2 is a potent substrate targeting fatty acid amide drolase (FAAH) expressed in the brain ($K_m=1.3\text{ }\mu\text{M}$), delivering high concentrations of Sobetirome to the central nervous system with minimal peripheral systemic dose, thereby stimulating central troid hormone receptor β ($\text{TR}\beta$).

References:

[1]. Meinig J M, et al. Targeting fatty-acid amide drolase with prodrugs for CNS-selective therapy[J]. ACS chemical neuroscience, 2017, 8(11): 2468-2476.

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

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