

Product Data Sheet

Product Name: AChE/BuChE-IN-4

Cat. No.: GC71330

Chemical Properties

Cas. No. 1997158-25-4

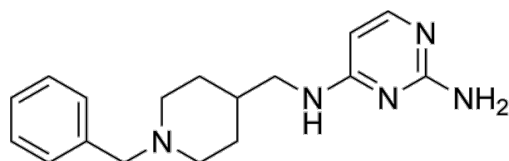
Formula $C_{17}H_{23}N_5$ M.Wt 297.4

Solubility DMSO : ≥ 125 mg/mL (420.31 mM) 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

AChE/BuChE-IN-4 (compound 4a) is orally active and brain-penetrant multitarget-directed AChE/BuChE inhibitor against AChE and BuChE, with the IC_{50} of 2.08 and $7.41\text{ }\mu\text{M}$.

References:

[1]. Conceição RAD, et al. Structure-based design of new N-benzyl-piperidine derivatives as multitarget-directed AChE/BuChE inhibitors for Alzheimer's disease [published online ahead of print, 2023 Oct 5]. J Cell Biochem. 2023;10.1002/jcb.30483.

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

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