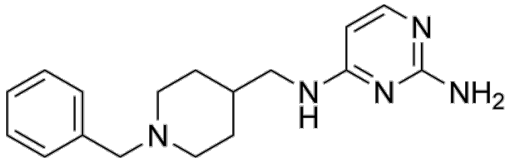
Product Data Sheet

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 aorally activeandbrain-penetrantmultitarget-directedAChE/BuChEinhibitor againstAChEandBuChE, with theIC50of 2.08 and 7.41 μM.

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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