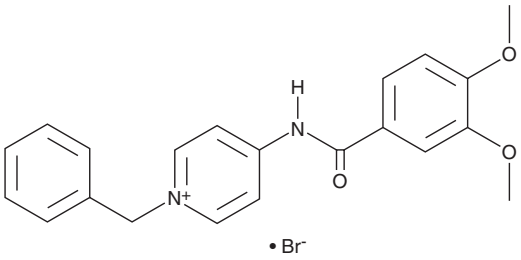
PRODUCT INFORMATION

AChE-IN-26 (bromide)

Item No. 46466

CAS Registry No.:	2977170-10-6
Formal Name:	4-[(3,4-dimethoxybenzoyl)amino]-1-(phenylmethyl)-pyridinium, monobromide
Synonyms:	Acetylcholinesterase-IN-26, Acetylcholinesterase Inhibitor 26, AChE Inhibitor 26
MF:	$C_{21}H_{21}N_2O_3$ • Br
FW:	429.3
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

AChE-IN-26 (bromide) is supplied as a solid. A stock solution may be made by dissolving the AChE-IN-26 (bromide) in the solvent of choice, which should be purged with an inert gas. AChE-IN-26 (bromide) is soluble (≥10 mg/ml) in DMSO.

Description

AChE-IN-26 is an inhibitor of acetylcholinesterase (AChE; IC_{50} = 0.42 µM).[1] It is selective for AChE over butyrylcholinesterase (BChE) at 10 µM.

Reference

1. Abdullaha, M., Nuthakki, V.K., and Bharate, S.B. Discovery of methoxy-naphthyl linked N-(1-benzylpiperidine) benzamide as a blood-brain permeable dual inhibitor of acetylcholinesterase and butyrylcholinesterase. *Eur. J. Med. Chem.* **207**, 112761 (2020).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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