

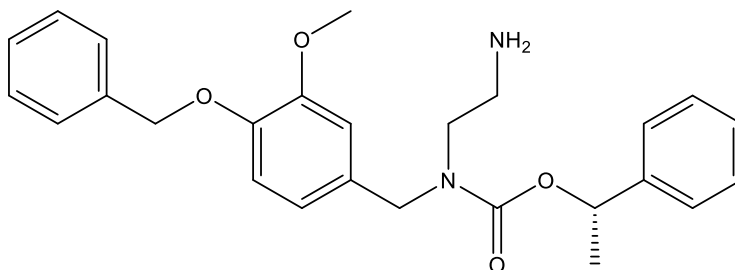
Catalog # 10-1413

PBMC

CAS# 1352138-54-5

(S)-1-Phenylethyl(2-aminoethyl)(4-(benzyloxy)-3-methoxybenzyl)carbamate

Lot # X104114



Potent and selective inhibitor of TRPM8 channels. PBMC inhibits both chemical and thermal activation of TRPM8¹. Reverses the menthol and cold-induced facilitation of the micturition reflex². Represents a new lead for analgesic drugs based on blocking TRPM8³.

- 1) Knowlton *et al.* (2011), *Pharmacological blockade of TRPM8 ion channels alters cold and cold pain responses in mice*; PLoS One, **6(9)** e25894
- 2) Gardiner *et al.* (2014), *The role of TRPM8 in the Guinea-pig bladder-cooling reflex investigated using a novel TRPM8 antagonist*; Eur. J. Pharmacol., **740** 398
- 3) Salat *et al.* (2013), *Transient receptor potential channels – emerging novel drug targets for the treatment of pain*; Curr. Med. Chem., **20** 1409

PHYSICAL DATA

Molecular Weight:	434.54
Molecular Formula:	C ₂₆ H ₃₀ N ₂ O ₄
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 30 mg/ml)
Physical Description:	Light brown oil
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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