

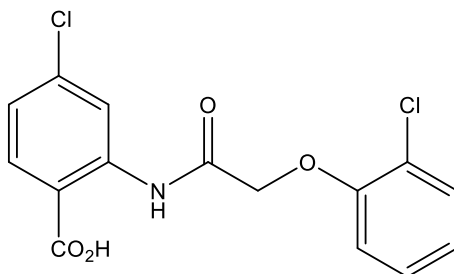
**Catalog #10-3643**

**CBA**

CAS# 351424-20-9

4-Chloro-2-[[2-(2-chlorophenoxy)acetyl]amino]benzoic acid; TRPM4-IN-5

Lot # S107178



CBA is a selective blocker of TRPM4 channels ( $IC_{50} = 1.5 \mu M$ ) with no activity at TRPM5, TRPM7, TRPM8, TRPV1, TRPV3, TRPV6 and a panel of other ion channels and receptors.<sup>1</sup> Displays protective effects in murine experimental autoimmune encephalomyelitis and in a model of glutamate-induced neuronal degeneration.<sup>2</sup> A highly useful tool for exploring the functions of TRM4 in a variety of cell types.<sup>3,4</sup>

- 1) Ozthail *et al.* (2018), *Identification of potent and selective small molecule inhibitors of the cation channel TRPM4*; Br. J. Pharmacol. **175** 2504
- 2) Bianchi *et al.* (2018), *The ion channel TRPM4 in murine experimental autoimmune encephalomyelitis and in a model of glutamate-induced neuronal degeneration*; Mol. Brain **11** 41
- 3) Borgstrom *et al.* (2021), *Small Molecular Inhibitors Block TRPM4 Currents in Prostate Cancer Cells, with Limited Impact on Cancer Hallmark Functions*; J. Mol. Biol. **433** 166665
- 4) Diszhazi *et al.* (2021), *TRPM4 links calcium signaling to membrane potential in pancreatic acinar cells*; J. Biol. Chem. **297** 101015

**PHYSICAL DATA**

Molecular Weight:	340.16
Molecular Formula:	C <sub>15</sub> H <sub>11</sub> Cl <sub>2</sub> NO <sub>4</sub>
Purity:	>98% (TLC)
	NMR: (Conforms)
Solubility:	DMSO (35 mg/mL)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied 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 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

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