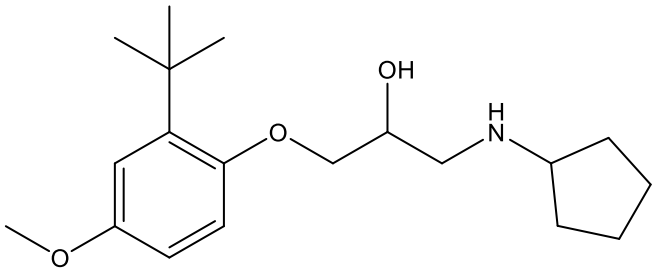
Catalog #10-4955
C2230
CAS# 882243-88-1
1-(2-tert-Butyl-4-methoxyphenoxy)-3-(cyclopentylamino)propan-2-ol
Lot # FBA10024



C2230 is a novel Cav2.2 channel blocker (IC_{50} = 1.3 µM @ -50 mV; 10.2 µM @ -80 mV) with a unique binding mode (no GPCR-mediated inhibition). It displays preferential binding to the inactive state of the channel. C2230 is active in both rat and human DRG neurons. Active in rat models of neuropathic pain and mouse models of osteoarthritis. C2230 does not affect somatosensation or motor and cardiac function.

1) Tang *et al.* (2024), *C2230, a preferential use- and state-dependent Cav2.2 channel blocker, mitigates pain behaviors across multiple pain models*; J. Clin. Invest. **Dec 10** e177429

PHYSICAL DATA

Molecular Weight:	321.46
Molecular Formula:	$C_{19}H_{31}NO_3$
Purity:	>98% (TLC)
	NMR: (Conforms)
Solubility:	DMSO (at least 100 mg/mL)
Physical Description:	White to off-white waxy 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.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462
www.focusbiomolecules.com