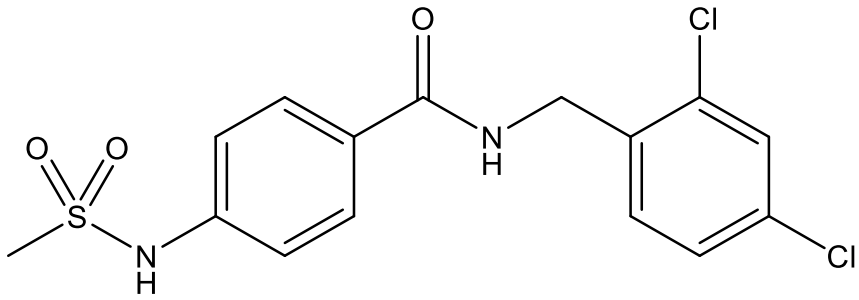
Catalog # 10-3648

ML335

CAS# 825658-06-8

N-(2,4-Dichlorobenzyl)-4-(methylsulfonamido)benzamide

Lot # S105076



Two-pore domain potassium (K_{2P}) channels of the TREK subfamily regulate neuronal excitability, influence pain, temperature perception and responses to anesthetics. ML335 is a novel, selective TREK-1,2 activator with EC_{50}s of 14.3 and 5.2 μM[1]. It represents an important new pharmacological tool for studying the physiology of TREK channels.

1) Lolicato *et al*. (2017), *K_{2P}2.1 (TREK-1)-activator complexes reveal a cryptic selectivity filter binding site*; Nature, **547** 364

PHYSICAL DATA

Molecular Weight:	373.25
Molecular Formula:	$C_{15}H_{14}Cl_2N_2O_3S$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml) or Ethanol (up to 20 mg/ml, with warming)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com