

## ML335, TREK-1,2 activator

Catalog	Unit
TBI3648-5MG	5 mg
TBI3648-25MG	25 mg

### Product Details

**Formal Name:** N-(2,4-Dichlorobenzyl)-4-(methylsulfonamido)benzamide

**Molecular Formula:** C<sub>15</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>S

**Formula Weight:** 373.25

**CAS Number:** 825658-06-8

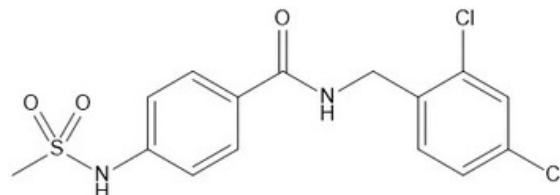
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 20 mg/ml with warming)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

TREK-1,2 activator

### Functions

Two-pore domain potassium (K2P) channels of the TREK subfamily regulate neuronal excitability, influence pain, temperature perception and responses to anaesthetics. ML335 is a novel, selective TREK-1,2 activator with EC<sub>50</sub>s of 14.3 and 5.2 μM. It represents an important new pharmacological tool for studying the physiology of TREK channels.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 20 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 2 months.

**For research use only.**