

## ML-204, TRPC4 blocker

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Catalog	Unit
TBI2841-5MG	5 mg
TBI2841-25MG	25 mg

### Product Details

**Formal Name:** 4-Methyl-2-(1-piperidiny)quinoline

**Molecular Formula:** C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>

**Formula Weight:** 226.32

**CAS Number:** 5485-86-1

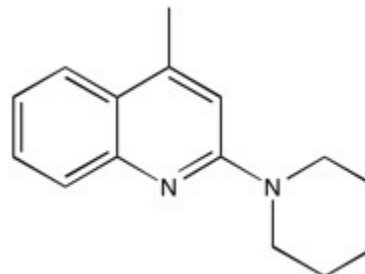
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 20 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

TRPC4 blocker

### Functions

Selective blocker of TRPC4 channels (IC<sub>50</sub> = 0.96 - 2.6 μM, depending on assay). Displays 19-fold selectivity against TRPC6 and 9-fold selectivity against TRPC5. Has no significant activity at TRPV1, TRPV3, TRPA1 and TRPM8 channels at concentrations up to 22 μM. A useful tool for exploring the involvement of TRPC and TRPC-like channels in cellular signaling and physiology.

### Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**