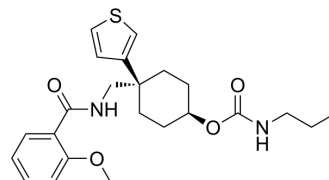


## KV1.3-IN-1

Cat. No.:	HY-155516
Molecular Formula:	C <sub>23</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	430.56
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

KV1.3-IN-1 (Compound trans-18) is a KV1.3 channel inhibitor (IC<sub>50</sub>: 230 nM and 26.12 nM in Ltk<sub>7</sub> cells and PHA-activated T-lymphocytes respectively). KV1.3-IN-1 impairs intracellular Ca<sup>2+</sup> signaling. KV1.3-IN-1 inhibits T-cell activation, proliferation, and colony formation<sup>[1]</sup>.

### REFERENCES

[1]. Gubič Š, et al. Immunosuppressive effects of new thiophene-based KV1.3 inhibitors. Eur J Med Chem. 2023 Jun 25;259:115561.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA