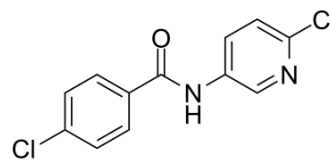


ICA 110381

Cat. No.:	HY-108587
CAS No.:	325457-99-6
Molecular Formula:	C ₁₂ H ₈ Cl ₂ N ₂ O
Molecular Weight:	267.11
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	ICA 110381 (Compound 16) is a KCNQ2/Q3 potassium channel opener for the treatment of epilepsy. ICA 110381 is a KCNQ2/Q3 agonist (EC ₅₀ =0.38 μM) as well as KCNQ1 antagonist (IC ₅₀ =15 μM) ^[1] .
IC₅₀ & Target	EC ₅₀ : 0.38 μM (KCNQ2/Q3 potassium channel) ^[1] IC ₅₀ : 15 μM (KCNQ1) ^[1]

REFERENCES

[1]. Amato G, et al. N-Pyridyl and Pyrimidine Benzamides as KCNQ2/Q3 Potassium Channel Openers for the Treatment of Epilepsy. ACS Med Chem Lett. 2011 Mar 31;2(6):481-4.

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