



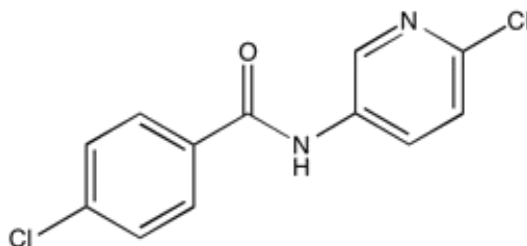
**Catalog # 10-1467**

**ICA-110381**

325457-99-6

4-Chloro-N-(6-chloro-3-pyridinyl)benzamide

Lot # X104827



A KCNQ2/Q3 ( $K_v7.2/7.3$ ) activator,  $EC_{50}=0.38 \mu M$  (KCNQ1  $IC_{50}=15 \mu M$ )<sup>1</sup>. KCNQ3/Q5 heterodimers are not affected<sup>2</sup>. Potently dampens neuronal excitability and displays anticonvulsant activity *in vivo*<sup>2</sup>.

- 1) Amato *et al.* (2011), *N-Pyridyl and Pyrimidine Benzamides as KCNQ2/Q3 Potassium Channel Openers for the Treatment of Epilepsy*; Sci. ACS Med. Chem. Lett., **2** 481
- 2) Boehlen *et al.* (2013), *The new KCNQ2 activator 4-Chlor-N-(6-chlor-pyridin-3-yl)benzamid displays anticonvulsant potential*; Br. J. Pharmacol., **168** 1182

#### **PHYSICAL DATA**

Molecular Weight:	267.12
Molecular Formula:	C <sub>12</sub> H <sub>8</sub> Cl <sub>2</sub> N <sub>2</sub> O
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 26 mg/ml) or Ethanol (up to 5 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

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

[www.focusbiomolecules.com](http://www.focusbiomolecules.com)