

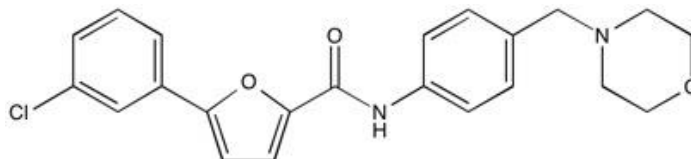
**Catalog # 10-1420**

**CID-2011756**

CAS# 638156-11-3

5-(3-Chlorophenyl)-N-[4-(4-morpholinylmethyl)phenyl]-2-furancarboxamide

Lot # L101112



Potent and selective ATP-competitive inhibitor of protein kinase D (PKD).  $IC_{50}$ =3.2, 0.6 and 0.7  $\mu$ M for PKD1, 2 and 3 respectively. Inhibits phorbol ester-induced PKD activation in LNCaP prostate cancer cells. Cell permeable.

- 1) Sharlow *et al.* (2011), *Discovery of diverse small molecule chemotypes with cell-based PKD1 inhibitory activity*; PLoS One, **6** e25134

#### **PHYSICAL DATA**

Molecular Weight:	396.88
Molecular Formula:	C <sub>22</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>3</sub>
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml) or Ethanol (up to 8 mg/ml, warm)
Physical Description:	Tan solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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