

PRODUCT: IC261

ALTERNATE NAME: (E)-3-(2,4,6-trimethoxybenzylidene)indolin-2-one; SU-5607

CATALOG #: 9669-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₈H₁₇NO₄

MOLECULAR WEIGHT: 311.34

CAS NUMBER: 186611-52-9

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (>10 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: IC261 is a reversible, ATP-competitive inhibitor of casein kinase 1 (CK1) (IC₅₀ = ~1 μM for CK1δ and CK1ε and 16 μM for CK1α). It is at least 100-fold less effective against PKA, p34^{cdc2}, and p55^{l^{yn}}. IC261, at 1 μM, inhibits cytokinesis in primary mouse embryo fibroblasts. IC261 induces cell cycle arrest and apoptosis of human cancer cells via CK1δ/ε and Wnt/β-catenin independent inhibition of mitotic spindle formation.

REFERENCES: Cheong, J.K., *et al.* (2011). *Oncogene* **30**, 2558-2569.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Apigenin (Cat. No. 2508-25, 100)

CX-4945 (Cat. No. 2459-5, 25)

D4476 (Cat. No. 1770-1,5)

LH-846 (Cat. No. 9423-10,50)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**