

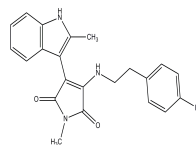
PRODUCT: IM-12

ALTERNATE NAME: 3-(4-Fluorophenylethylamino)-1-methyl-4-(2-methyl-1H-indol-3-yl)-1H-pyrrole-2,5-dione

CATALOG #: 2822-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₂₀FN₃O₂

MOLECULAR WEIGHT: 377.41

CAS NUMBER: 1129669-05-1

APPEARANCE: Yellow orange solid

SOLUBILITY: DMSO (25 mg/ml) or EtOH (5 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: IM-12 is a potent and selective GSK-3β inhibitor (IC₅₀ = 53 nM). It significantly increases β-catenin levels, leads to TCF-induction and promotes neuronal differentiation in human neural progenitor cells *via* activation of canonical Wnt signaling.

REFERENCES: Schmöle, A.-C., et al. (2010). *Bioorg. Med. Chem.* **18**, 6785-6795.

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

RELATED PRODUCTS:

Alsterpaullone (Cat. No. 1897-1, 5)

1-Azakenpaullone (Cat. No. 1944-1, 5)

BIO (Cat. No. 1673-1)

Bisindolylmaleimide I (Cat. No. 1945-1, 5)

Bisindolylmaleimide I hydrochloride (Cat. No. 1947-1, 5)

Bikinin (Cat. No. 2034-10, 50)

CHIR99021 (Cat. No. 1677-5, 25)

EZSolution™ CHIR99021 (Cat. No. 1748-5)

EZSolution™ CHIR99021, Sterile-Filtered (Cat. No. 1991-1)

CHIR-98014 (Cat. No. 2595-1, 5)

EZSolution™ CHIR-98014 (Cat. No. 2639-1)

GSK-3 Inhibitor, TWS119 (Cat. No. 1655-2)

Kenpaullone (Cat. No. 1904-1)

Ro 31-8220 methanesulfonate (Cat. No. 1946-1, 5)

SB-216763 (Cat. No. 1769-1, 5)

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