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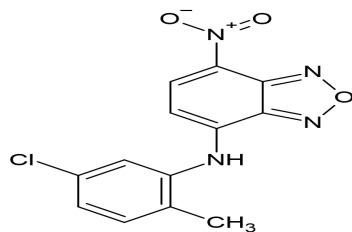
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p38 MAP Kinase Inhibitor XX, FGA-19

ALTERNATE NAME: *N*-(5-chloro-2-methylphenyl)-4-nitro-2,1,3-benzoxadiazol-7-amine

CATALOG #: AUR10722

STRUCTURE:



MOLECULAR FORMULA: C₁₃H₉ClN₄O₃

MOLECULAR WEIGHT: 304.69

CAS#: N/A

APPEARANCE: Orange red solid

SOLUBILITY: DMSO (100 mg/ml)

PURITY: ≥96% by HPLC

STORAGE: Store at +2°C to +8°C; Protect from air and light

DESCRIPTION: FGA-19 is a cell-permeable, benzoxadiazole compound designed to target p38 c-terminal "docking domain" that mediates interactions with upstream regulators and downstream substrates outside p38 active center. Selectively inhibits MEF-2A phosphorylation by activated p38α (IC₅₀ = 6.31 μM; [p38] = 1 nM, [MEF-2a] = 10 nM, [ATP] = 25 μM) with little or no potency against a panel of other kinases or the docking site interaction-independent MBP phosphorylation by p38.

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