

PRODUCT: Nutlin-3b

ALTERNATE NAME: 4-[[[(4R,5S)-4,5-bis(4-chlorophenyl)-4,5-dihydro-2-[4-methoxy-2-(1-methylethoxy)phenyl]-1H-imidazol-1-yl]carbonyl]-2-piperazinone

CATALOG #: B1227-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₀H₃₀Cl₂N₄O₄

MOLECULAR WEIGHT: 581.49

CAS NUMBER: 675576-97-3

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>14 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Nutlin-3b is less potent (+)-enantiomer of Nutlin-3 as p53 MDM2 inhibitor in comparison with more potent opposite (-)-enantiomer Nutlin-3a. Nutlin-3b may be used as negative control for non-MDM2 cellular activities. Potency of Nutlin-3b is much lower in the wild type p53 cells and has no effect regardless of the status of p53 cells.

REFERENCES: Vassilev, L.T., *et al.* (2004). *Science* **303**, 844-848.

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

RELATED PRODUCTS:

AMG-232 (**9556**)

JNJ-26854165 (**2479**)

MI-773 (**9610**)

NSC-207895 (**B1228**)

Nutlin-3 (**1842**)

Nutlin-3b (**B1227**)

RG7388 (**2577**)

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