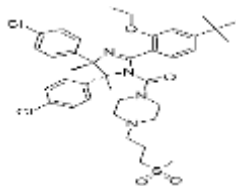


PRODUCT: RG-7112

ALTERNATE NAMES: ((4S,5R)-2-(4-(tert-butyl)-2-ethoxyphenyl)-4,5-bis(4-chlorophenyl)-4,5-dimethyl-4,5-dihydro-1H-imidazol-1-yl)(4-(3-(methylsulfonyl)propyl)piperazin-1-yl)methanone; RG7112; RO5045337

CATALOG NUMBER: B1919-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: C₃₈H₄₈Cl₂N₄O₄S

MOLECULAR WEIGHT: 727.78

CAS NUMBER: 939981-39-2

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

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

DESCRIPTION: RG-7112 is a Nutlin imidazoline compound that acts as a potent MDM2 inhibitor as well as displays antineoplastic activity. RG-7112 binds to MDM2, thereby preventing the binding of the MDM2 protein to the transcriptional activation domain of the tumor suppressor protein p53.

REFERENCES: Zhang, G., *et al.* (2014). *Bioorg, Med. Chem. Lett.* **22**, 4001-4009.

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**)

RG-7112 (**B1919**)

RO8994 (**B1830**)

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