

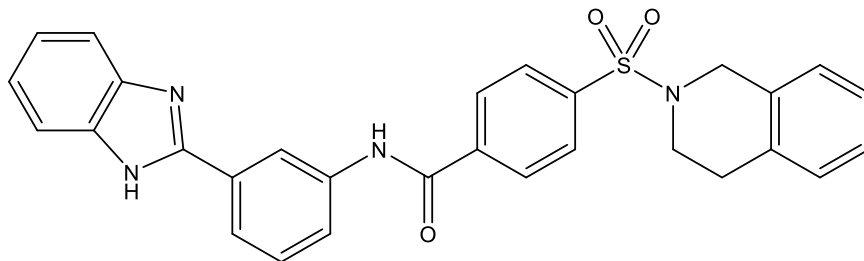
Catalog # 10-4981

OTUDin3

CAS# 441290-65-9

N-[3-(1H-Benzimidazol-2-yl)phenyl]-4-[(3,4-dihydro-2(1H)-isoquinolinyl)sulfonyl]benzamide

Lot # FBA9007



OTUDin3 is a potent inhibitor of the deubiquitinase OTUD3, a member of the ovarian tumor proteases which plays a key role in tumorigenesis, neurodegeneration, metabolism, and immunity. It inhibited non-small cell lung cancer growth, migration, and invasion *via* enhancing the ubiquitination and degradation of the anti-apoptotic protein GRP78. OTUDin3 inhibited lung cancer growth in an H1299 mouse xenograft model.

1) Zhang, *et al.* (2023), *Discovery of an OTUD3 inhibitor for the treatment of non-small cell lung cancer*; Cell Death Dis., **14** 378

PHYSICAL DATA

Molecular Weight: 508.60

Molecular Formula: C₂₉H₂₄N₄O₃S

Purity: >98% by HPLC

NMR: Conforms

Solubility: DMSO (40 mg/ml)

Physical Appearance: White to off-white solid

Storage and Stability: Store as supplied desiccated at -20°C for up to 2 years from the date of purchase.

Solutions in DMSO may be stored at -20°C for up to 3 months.

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