

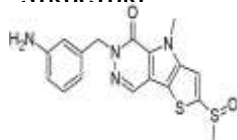
PRODUCT: **TEPP-46**

RELATED PRODUCTS:DASA-58 (**B2163**)TEPP-46 (ML-265) (**B2164**)

ALTERNATE NAME: 6-[(3-aminophenyl)methyl]-4,6-dihydro-4-methyl-2-(methylsulfinyl)-5H-thieno[2',3':4,5]pyrrolo[2,3-d]pyridazin-5-one; CID-44246499, NCGC00186528, ML-265

CATALOG #: B2164-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₇H₁₆N₄O₂S₂

MOLECULAR WEIGHT: 372.5

CAS NUMBER: 1221186-53-3

APPEARANCE: White solid

SOLUBILITY: DMSO (10 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: TEPP-46 (ML-265) is a potent and selective PKM2 activator. TEPP-46 activates tumor-specific PKM2 (EC₅₀ = 92 nM) by binding to the dimer-dimer interface between two subunits of PKM2 and inducing tetramerization, which is the most active form of the enzyme. In mice with A549 xenograft tumors, ML-265 displays good oral bioavailability with relatively low clearance, long half-life.

REFERENCES: Anastasiou, D., *et al.* (2012). *Nat. Chem. Biol.* **8**, 839-847.

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

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