
Catalog	Unit
TBI4090-5MG	5 mg
TBI4090-25MG	25 mg

Product Details

Formal Name: 7-Benzyl-4-(2-methylbenzyl)-1,2,6,7,8,9-hexahydroimidazo[1,2-a]pyrido[3,4-e]pyrimidin-5(4H)-one

Alternate Names: ONC201

Molecular Formula: C₂₄H₂₆N₄O

Formula Weight: 386.49

CAS Number: 1616632-77-9

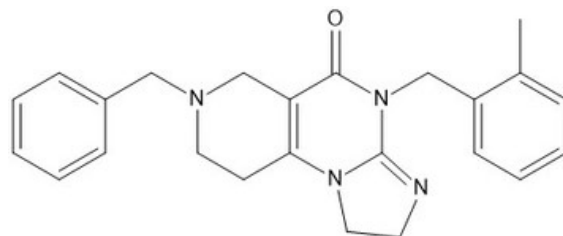
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Mitochondrial caseinolytic protease P activator / Anticancer agent

Functions

Novel anti-cancer compound that activates early-stage integrated stress response, causing selective cancer cell death. Potently activates mitochondrial caseinolytic protease P (ClpP), resulting in eIF2 α -independent induction of ATF4 and Akt/ERK/Foxo3a/DR5/TRAIL-dependent apoptosis. Currently in clinical trials.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 2 months.

For research use only.