

VE-821

Cat. # F8130, F8131

Also Known as: 3-Amino-6-[4-(methylsulfonyl)phenyl]-N-phenyl-2-pyrazinecarboxamide

Formula: C₁₈H₁₆N₄O₃S

MW: 368.41 Da

CAS No.: 1232410-49-9

Source: Synthetic

Form: Lyophilized powder

Solubility: 20 mg/ml in DMSO

Concentration: N/A

Quality Assurance: >98% by HPLC and NMR

Description: VE-821 is a potent and selective ATP competitive inhibitor of ataxia-telangiectasia and Rad3-related protein (ATR) with IC₅₀ of 26 nM in cell-free assays, with minimal activity against ATM, DNA-PK, and mTOR. It augments DNA damage and cell death of cancer cells in response to radiation, also sensitizes cancer cells to chemotherapy.

Storage: Eligible for room temperature shipping. Store at -80°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in DMSO.

Note: Briefly spin the tube before removing the cap.

Literature:

1. Reaper PM, *et al.* (2011) Nat Chem Biol, 7(7), 428-430.
2. Prevo, R, *et al.* (2012) Cancer Biol Ther, 13(11) 1072-1081.
3. Huntoon, CJ, *et al.* (2013) Cancer Res, 73(12) 3683-3691.

