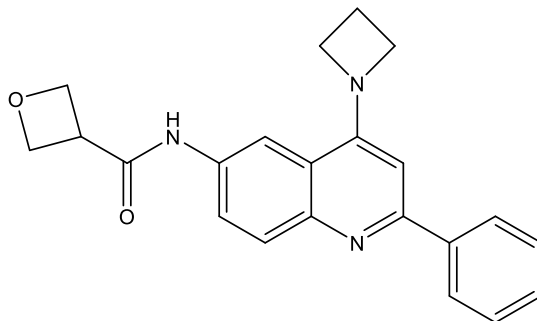


Catalog #10-3912

DRP1 inhibitor 4a

N-(4-Azetidin-1-yl)-2-phenylquinolin-6-yl)oxetane-3-carboxamide

Lot # FBA9051



DRP1 inhibitor 4a blocks ($IC_{50} = 100$ nM) the protein-protein interaction between dynamin related protein 1 (DRP1) and the mitochondrial membrane receptor MiD49 preventing mitochondrial fragmentation.¹ It prevented roughly half of mitochondrial fragmentation in A549 cells caused by carbonylcyanide-3-chlorophenylhydrazone (CCCP).

- 1) Furuya *et al.* (2023), *Discovery of Potent Allosteric DRP1 Inhibitors by Disrupting Protein-Protein Interaction with MiD49*; ACS Med. Chem. Lett. **14** 1095

PHYSICAL DATA

Molecular Weight:	359.43
Molecular Formula:	C ₂₂ H ₂₁ N ₃ O ₂
Purity:	>98% HPLC
	NMR: (Conforms)
Solubility:	DMSO (30 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied 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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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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