Print Date: Mar 10th 2020

Certificate of Analysis

www.tocris.com

Product Name: **Omipalisib** **Catalog No.: 6792** **Batch No.: 1**

CAS Number: 1086062-66-9

IUPAC Name: 2,3-Difluoro-*N*-[2-methoxy-5-[4-(4-pyridazinyl)-6-quinolinyl]-3-pyridinyl]benzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{25}H_{17}F_2N_5O_3S$

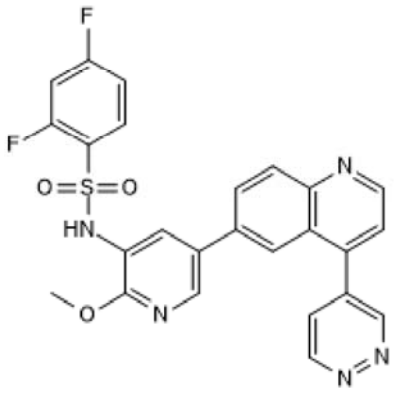
Batch Molecular Weight: 505.5

Physical Appearance: Off White solid

Solubility: DMSO to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.4	3.39	13.85
Found	59.39	3.46	13.8

bio-techne.com
info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel:+1 612 379 2956

Product Information

Product Name: **Omipalisib** **Catalog No.: 6792** **Batch No.: 1**

CAS Number: 1086062-66-9

IUPAC Name: 2,3-Difluoro-*N*-[2-methoxy-5-[4-(4-pyridazinyl)-6-quinolinyl]-3-pyridinyl]benzenesulfonamide

Description:

Highly potent PI 3-K inhibitor (IC_{50} = 0.04 nM). Also inhibits mTOR (K_i = 0.18 - 0.3 nM) and DNA-PK (IC_{50} = 0.28 nM). Induces G_1 cell cycle arrest and inhibits proliferation of some breast cancer cells lines in vitro. Reduces pAKT-S473 levels in and inhibits growth of BT474 breast cancer xenografts in mice. Orally bioavailable.

Physical and Chemical Properties:

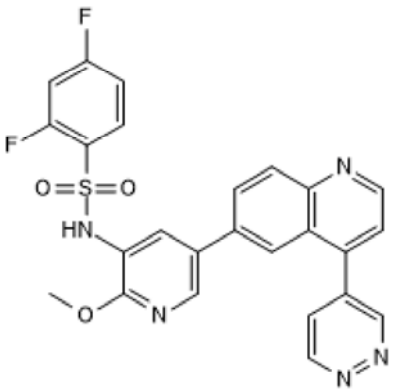
Batch Molecular Formula: $C_{25}H_{17}F_2N_5O_3S$

Batch Molecular Weight: 505.5

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Knight *et al* (2010) Discovery of GSK2126458, a highly potent inhibitor of PI3K and the mammalian target of rapamycin. ACS Med.Chem.Lett. ***1*** 39. PMID: 24900173.