

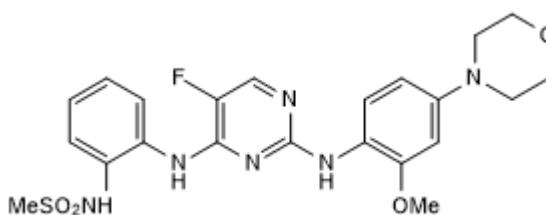
Certificate of Analysis

www.tocris.com

Product Name: CZC 25146 **Catalog No.:** 6071 **Batch No.:** 1
CAS Number: 1191911-26-8
IUPAC Name: *N*-[2-[[5-Fluoro-2-[[2-methoxy-4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]amino]phenyl]methanesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₅FN₆O₄S
Batch Molecular Weight: 488.54
Physical Appearance: Pale purple solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.09	5.16	17.2
Found	54.13	5.28	17.05

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: CZC 25146

Catalog No.: 6071

Batch No.: 1

CAS Number: 1191911-26-8

IUPAC Name: *N*-[2-[[5-Fluoro-2-[[2-methoxy-4-(4-morpholinyl)phenyl]amino]-4-pyrimidinyl]amino]phenyl]methanesulfonamide

Description:

Potent LRRK2 inhibitor (IC₅₀ values are 4.76 and 6.87 nM for for wild-type and G2019S mutant forms of LRRK2, respectively). Also inhibits PLK4, GAK, TNK1, CAMKK2 and PIP4K2. Attenuates mutant LRRK2-induced injury of cultured rodent and human neurons. Cell permeable.

Physical and Chemical Properties:

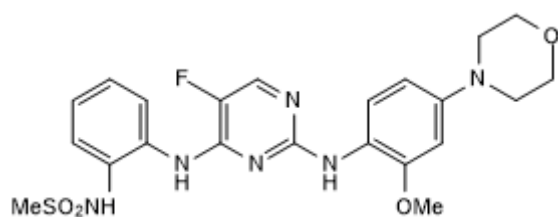
Batch Molecular Formula: C₂₂H₂₅FN₆O₄S

Batch Molecular Weight: 488.54

Physical Appearance: Pale purple solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 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:

Ramsden et al (2011) Chemoproteomics-based design of potent LRRK2-selective lead compounds that attenuate Parkinson's disease-related toxicity in human neurons. *ACS Chem.Biol.* **6** 1021. PMID: 21812418.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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