

Certificate of Analysis

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Product Name: VVD 065

Catalog No.: 8875

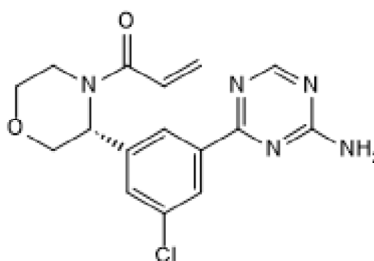
Batch No.: 1

CAS Number: 3034876-85-9

IUPAC Name: 1-[(3*R*)-3-[3-(4-Amino-1,3,5-triazin-2-yl)-5-chlorophenyl]-4-morpholinyl]-2-propen-1-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Weight: 345.79
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.5% purity
Chiral HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.58	4.66	20.25
Found	54.99	4.61	19.83

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

Product Information

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Description:

VVD 065 is a NRF2 inhibitor acting via a covalent allosteric molecular glue mechanism. Through covalent engagement of C151 on KEAP1, VVD 065 promotes NRF2 degradation by enhancing formation of the KEAP1-CUL3 ubiquitin ligase complex. With potent target engagement ($TE_{50} = 9$ nM in KYSE70 cells) and selectivity over unrelated targets, VVD 065 inhibits NRF2-dependent cell growth. In vitro, VVD 065 inhibits NRF2 transcriptional activity and reduces the expression of NRF2 target genes. In vivo, VVD 065 induces tumor growth inhibition and downregulation of NRF2 signaling in cell-line and patient-derived mouse xenograft models, synergizing with other... Please see product specific page on www.tocris.com for full description.

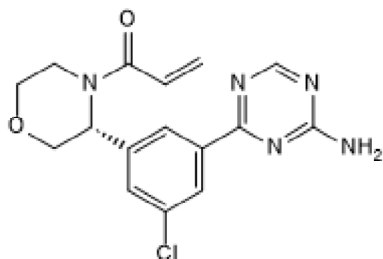
Physical and Chemical Properties:

Batch Molecular Weight: 345.79

Physical Appearance: White 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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.

Licensing Information:

Sold with permission from Vividion Therapeutics.

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