Product Name: Mdivi 1
Catalog No.: 3982
Batch No.: 2
CAS Number: 338967-87-6
IUPAC Name: 3-(2,4-Dichloro-5-methoxyphenyl)-2,3-dihydro-2-thioxo-4(1H)-quinazolinone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{15}H_{10}Cl_{2}N_{2}O_{2}S
Batch Molecular Weight: 353.22
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 98.8% purity
\textsuperscript{1}H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
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<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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CAS Number: 338967-87-6
IUPAC Name: 3-(2,4-Dichloro-5-methoxyphenyl)-2,3-dihydro-2-thioxo-4(1H)-quinazolinone

Description:
Selective inhibitor of Dnm1 GTPase (IC_{50} = 1 - 10 \mu M); attenuates Dnm1- and Drp1-mediated mitochondrial division. Inhibits mitochondrial outer membrane permeabilization (MOMP) and attenuates apoptosis. Inhibits autophagy.

Physical and Chemical Properties:
Batch Molecular Formula: C_{15}H_{10}Cl_2N_2O_3S
Batch Molecular Weight: 353.22
Physical Appearance: White solid
Minimum Purity: >98%

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: