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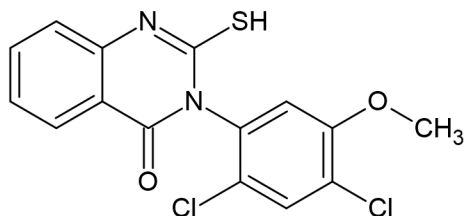
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Mitochondrial Division Inhibitor, mdivi-1

ALTERNATE NAME: 3-(2,4-dichloro-5-methoxyphenyl)-2-sulfanylidene-1*H*-quinazolin-4-one; mdivi-1

CATALOG #: AUR10632

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₁₀Cl₂N₂O₂S

MOLECULAR WEIGHT: 353.22

CAS#: 338967-87-6

APPEARANCE: White solid

SOLUBILITY: DMSO (>30 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at -20°C. Protect from light and air

DESCRIPTION: Mdivi 1 is a selective inhibitor of dynamin GTPase (IC₅₀ = 1 - 10 μM); attenuates Dnm1- and Drp1-mediated mitochondrial division. Mdivi 1 inhibits mitochondrial outer membrane permeabilization (MOMP) and attenuates apoptosis. In cancer cell lines, Mdivi 1 reduces cell proliferation; in an animal model of ischemic retina Mdivi 1 treatment blocks apoptosis..

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure