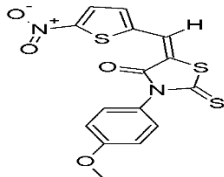


PRODUCT: CCF-642

ALTERNATE NAMES: 3-(4-Methoxyphenyl)-5-[(5-nitro-2-thienyl)methylene]-2-thioxo-4-thiazolidinone

CATALOG NUMBER: B2009-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₅H₁₀N₂O₄S₃

MOLECULAR WEIGHT: 378.44

CAS NUMBER: 346640-08-2

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

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

DESCRIPTION: CCF-642 is a protein disulfide isomerase (PDI) inhibitor that displays anticancer activity in multiple myeloma. Consistent with PDI inhibition, CCF642 causes acute ER stress in multiple myeloma cells accompanied by apoptosis-inducing calcium release.

REFERENCES: Vatolin, S., *et al.* (2016). *Cancer Res.* **76**, 3340-3350.

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

RELATED PRODUCTS:

PDI Antibody (**5601**)
Protein Disulfide Isomerase (PDI), Human Recombinant (**7601**)
Protein Disulfide Isomerase (PDI) Activity Assay Kit (**K949**)
Protein Disulfide Isomerase (PDI) Inhibitor Screening Kit (**K840**)
Protein Disulfide Isomerase (PDI) (Human) ELISA Kit (**K840**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**