AGK7

ALTERNATE NAMES: 2-cyano-3-[5-(2,5-dichlorophenyl)furan-2-yl]-N-quinolin-8-ylprop-2-enamide; SIRT2 Inhibitor (Inactive Control)

CATALOG #: B2843-1  1 mg  B2843-5  5 mg

STRUCTURE:

MOLECULAR FORMULA: C₃₁H₁₃Cl₂N₃O₂

MOLECULAR WEIGHT: 434.27

CAS NUMBER: 304896-21-7

APPEARANCE: A crystalline solid

PURITY: ≥95%

SOLUBILITY: ~0.5 mg/ml in DMSO
             ~0.2 mg/ml in DMF

DESCRIPTION: AGK7 is an inactive control and an isomer of AGK2. AGK2 is a cell-permeable, selective inhibitor of SIRT2 which is a NAD+ (nicotinamide adenine dinucleotide)-dependent deacetylase (IC₅₀ = 3.5 µM). AGK2 rescues α-synuclein toxicity in α-Syn-H4 cells while AGK7 does not affect α-synuclein aggregation. AGK7 inhibits SIRT3 with an IC₅₀ value greater than 5 µM and inhibits SIRT1 and SIRT2 with an IC₅₀ greater than 50 µM.

STORAGE TEMPERATURE: -20ºC

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


RELATED PRODUCTS:
SIRT2 Inhibitor, AGK2 (Cat. No. 1651)
Tenovin-1 (Cat. No. 9400)
JFD00244 (Cat. No. B2830)
Sirtinol (Cat. No. 2062)
Tenovin-3 (Cat. No. B1828)
SIRT2 Inhibitor (Cat. No. 1857)

DISCLAIMER: FOR RESEARCH USE ONLY! Not to be used on humans.