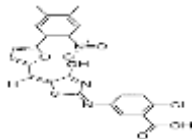


PRODUCT: PT1

ALTERNATE NAMES: 2-Chloro-5-[[5-[[5-(4,5-Dimethyl-2-nitrophenyl)-2-furanyl]methylene]-4,5-dihydro-4-oxo-2-thiazolyl]amino]benzoic acid

CATALOG NUMBER: B2035-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₃H₁₆ClN₃O₆S

MOLECULAR WEIGHT: 497.91

CAS NUMBER: 331002-70-1

APPEARANCE: Brown solid

SOLUBILITY: DMSO (>40 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: PT1 is an AMP-activated protein kinase (AMPK) activator. Stimulates AMPK heterotrimer ($\alpha 1\beta 1\gamma 1$) activity (EC_{50} = 0.3 μ M). Selectively increases the activity of $\gamma 1$ - but not $\gamma 3$ -containing complexes. Directly activates AMPK by antagonizing autoinhibition.

REFERENCES: Jensen, T.E., *et al.* (2015). *Biochem. J.* **467**, 461-472.

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

RELATED PRODUCTS:

AICAR (**1687**)
 EZSolution™ AICAR (**2344**)
 AICA Riboside, 5'-phosphate (**9416**)
 AMPK Activator, D942 (**2341**)
 MOTS-c (human) (**9697**)
 A-769662 (**1719**)
 Cordycepin (**2078**)
 PF-06409577 (**B2033**)
 Phenformin hydrochloride (**1889**)
 PT1 (**B2035**)
 ZLN024 hydrochloride (**B2034**)

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