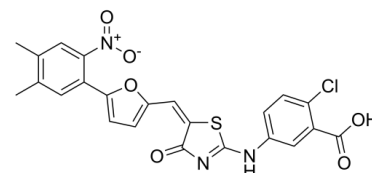


Data Sheet

Product Name:	PT1
Cat. No.:	CS-0026056
CAS No.:	331002-70-1
Molecular Formula:	C ₂₃ H ₁₆ ClN ₃ O ₆ S
Molecular Weight:	497.91
Target:	AMPK
Pathway:	Epigenetics; PI3K/Akt/mTOR
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

PT1 is an **AMPK α 1** activator that directly activates the inactive truncated forms of AMPK α 1 monomers^[1].

References:

[1]. Pang T, et al. Small molecule antagonizes autoinhibition and activates AMP-activated protein kinase in cells. J Biol Chem. 2008 Jun 6;283(23):16051-60.

CAIndexNames:

Benzoic acid, 2-chloro-5-[[[5-[[5-(4,5-dimethyl-2-nitrophenyl)-2-furanyl]methylene]-4,5-dihydro-4-oxo-2-thiazolyl]amino]-

SMILES:

O=C(O)C1=CC(NC(S/C2=C/C3=CC=C(C4=CC(C)=C(C)C=C4[N+](O)=O)O3)=NC2=O)=CC=C1Cl

Caution: Product has not been fully validated for medical applications. For research use only.

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