

Product datasheet

A 769662, AMP-activated protein kinase activator ab120335

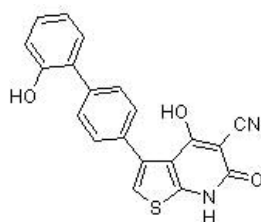
★★★★★ [1 Abreviews](#) [23 References](#) [1 Image](#)

Overview

Product name	A 769662, AMP-activated protein kinase activator
Description	AMP-activated protein kinase activator
Biological description	Potent, reversible activator of AMP-activated protein kinase (AMPK) ($EC_{50} = 0.8 \mu M$). Directly activates native rat AMPK by mimicking the effects of AMP - it activates AMPK both allosterically and by inhibiting dephosphorylation of AMPK. Shown to inhibit Na^+K^+ -ATPase at higher concentrations ($IC_{50} = 57 \mu M$) . Inhibits differentiation of adipocytes.

CAS Number 844499-71-4

Chemical structure



Properties

Chemical name	6,7-Dihydro-4-hydroxy-3-(2'-hydroxy[1,1'-biphenyl]-4-yl)-6-oxo-thieno[2,3- <i>b</i>]pyridine-5-carbonitrile
Molecular weight	360.39
Molecular formula	$C_{20}H_{12}N_2O_3S$
PubChem identifier	54708532
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

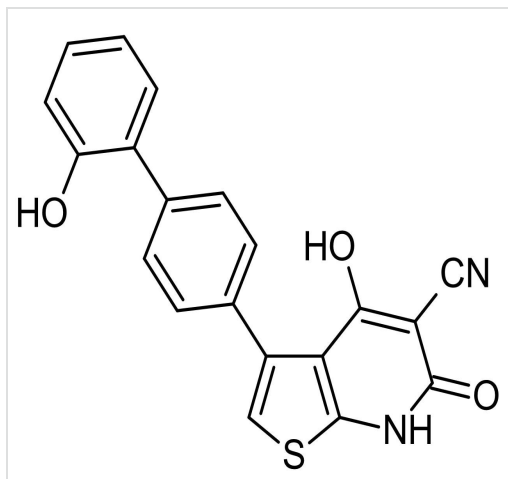
SMILES

Oc1ccccc1c2ccc(cc2)c4csc3NC(=O)C(C#N)=C(O)c34

Source

Synthetic

Images



2D chemical structure image of ab120335, A 769662, AMP-activated protein kinase activator

Chemical Structure - A 769662, AMP-activated protein kinase activator (ab120335)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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