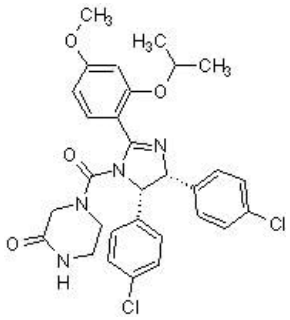
abcam

Product datasheet

(+)-Nutlin-3, p53-MDM2 binding inhibitor ab144426

1 Image

Overview

Product name	(+)-Nutlin-3, p53-MDM2 binding inhibitor
Description	p53-MDM2 binding inhibitor
Biological description	p53-MDM2 binding inhibitor (IC_{50} = 13 µM). Less potent enantiomer of (-)-Nutlin-3 (A**sc-4428**). Shows antiproliferative effects (IC_{50} values are 2.2 and 1.3 µM for human skin and murine fibroblasts respectively). Shows antitumor effects *in vivo*. Orally active.
Purity	> 98%
CAS Number	548472-68-0
Chemical structure	

Properties

Chemical name	4-[(4*R*,5*S*)-4,5-Bis(4-chlorophenyl)-2-(4-methoxy-2-propan-2-yloxyphenyl)-4,5-dihydroimidazole-1-carbonyl]piperazin-2-one
Molecular weight	581.50
Molecular formula	$C_{30}H_{30}Cl_2N_4O_4$
PubChem identifier	16755649
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
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

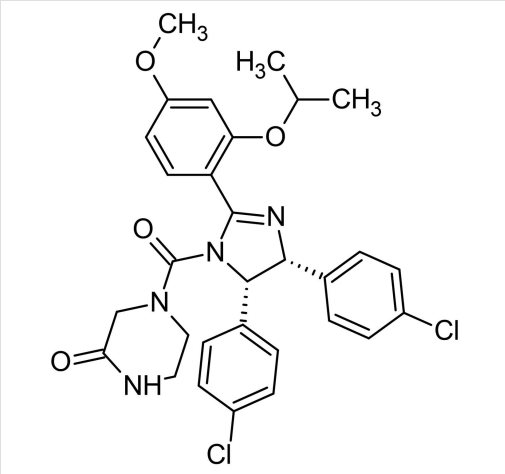
temperature for at least 1 hour.

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

SMILES CC(C)OC1=C(C=CC(=C1)OC)C2=N[C@@H]([C@@H](N2C(=O)N3CCNC(=O)C3)C4=CC=C(C=C4)Cl)C5=CC=C(C=C5)Cl

Source Synthetic

Images



Chemical Structure - (+)-Nutlin-3, p53-MDM2 binding inhibitor (ab144426)

2D chemical structure image of ab144426, (+)-Nutlin-3, p53-MDM2 binding inhibitor

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

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