Chk2 inhibitor II ab142086

Overview

Product name: Chk2 inhibitor II

Description: Potent, ATP-competitive checkpoint kinase (Chhk) 2 inhibitor. Cell-permeable.

Biological description: Potent, ATP-competitive checkpoint kinase 2 inhibitor (IC\textsubscript{50} = 15 nM; Ki = 37 nM). Controls p53 response to DNA breaks, leading to apoptosis. Cell-permeable.

Purity: > 98%

Properties

Chemical name: 2-[4-(4-Chlorophenoxy)phenyl]-3H-benzimidazole-5-carboxamide

Molecular weight: 363.80

Chemical structure:

![Chemical Structure]

Molecular formula: C\textsubscript{20}H\textsubscript{14}CIN\textsubscript{3}O\textsubscript{2}

CAS Number: 516480-79-8

PubChem identifier: 9969021

Storage instructions: Store at +4°C. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO to 25 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.

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

SMILES: C1=CC(=CC=C1C2=NC3=C(N2)C=C(C=C3)C(=O)N)OC4=CC=C(C=CC(C=CC4)Cl

Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
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