

Product datasheet

CAY10574, Cdk9 kinase inhibitor ab144423

Overview

Product name	CAY10574, Cdk9 kinase inhibitor
Description	Potent, selective Cdk9 kinase inhibitor
Biological description	Potent, selective Cdk9 kinase inhibitor (IC ₅₀ = 350 nM). Moderate ATP-competitive Cdk2-cyclin E inhibitor (IC ₅₀ = 20 μM). Induces cell cycle arrest, decreasing S-phase. Shows antiproliferative effects (IC ₅₀ values are 33, 49, 64 and 62 μM for MCF7, HOS, G361, and K562 cells respectively).
Purity	> 95%
CAS Number	140651-18-9
Chemical structure	

Properties

Chemical name	4-[(<i>E</i>)-(3,5-Diamino-1 <i>H</i> -pyrazol-4-yl)diazenyl]phenol
Molecular weight	218.20
Molecular formula	C ₉ H ₁₀ N ₆ O
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	<p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>Nc2nnc(N)c2/N=N/c1ccc(O)cc1</chem>
Source	Synthetic

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

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