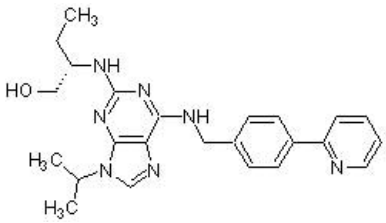
abcam

# Product datasheet

# (S)-CR8, CDK 1, 2, 5, 7 and 9 inhibitor ab144231

1 References 1 Image

## Overview

| | |
|---|---|
| **Product name** | (S)-CR8, CDK 1, 2, 5, 7 and 9 inhibitor |
| **Description** | Potent, selective, cell-permeable cyclin-dependent kinase (CDK) 1, 2, 5, 7 and 9 inhibitor |
| **Biological description** | Potent, selective, cell-permeable cyclin-dependent kinase (CDK) 1, 2, 5, 7 and 9 inhibitor ($IC_{50}$ = 41 - 400 nM). (R)-DRF053 (ab141505) analog. More potent than roscovirtine. Apoptosis inducer. GSK-3α/β (glycogen synthase kinase-3α/β) inhibitor. Antitumor potential.<br><br>See similar compound |
| **Purity** | > 98% |
| **CAS Number** | 1084893-56-0 |
| **Chemical structure** |  |

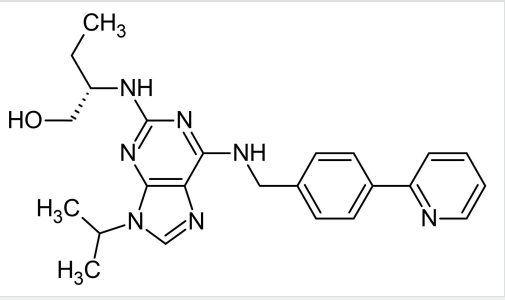
## Properties

| | |
|---|---|
| **Chemical name** | (2*S*)-2-[[9-Propan-2-yl-6-[(4-pyridin-2-ylphenyl)methylamino]purin-2-yl]amino]butan-1-ol |
| **Molecular weight** | 431.53 |
| **Molecular formula** | $C_{24}H_{29}N_7O$ |
| **PubChem identifier** | 25211051 |
| **Storage instructions** | Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes. |
| **Solubility overview** | Soluble in ethanol to 25 mM and in DMSO to 10 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.<br><br>Need more advice on solubility, usage and handling? Please visit our frequently asked questions |

(FAQ) page for more details.

| | |
|---|---|
| **SMILES** | CC[C@@H](CO)NC1=NC2=C(C(=N1)NCC3=CC=C(C=C3)C4=CC=CC=N4)N=CN2C(C)C |
| **Source** | Synthetic |

## Images




Chemical Structure - (S)-CR8, CDK 1, 2, 5, 7 and 9 inhibitor (ab144231)

2D chemical structure image of ab144231, (S)-CR8, CDK 1, 2, 5, 7 and 9 inhibitor



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