

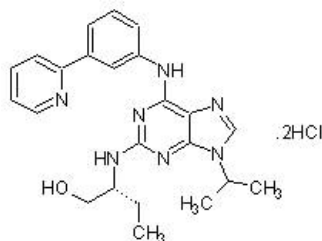
## Product datasheet

# (R)-DRF053 dihydrochloride, CDK and CK1 inhibitor ab141505

1 Image

### Overview

<b>Product name</b>	(R)-DRF053 dihydrochloride, CDK and CK1 inhibitor
<b>Description</b>	Potent, ATP-competitive cdk and CK1 inhibitor
<b>Biological description</b>	Potent, ATP-competitive cdk and CK1 inhibitor (IC <sub>50</sub> values are 220, 80 and 14 nM for cdk1/cyclin B, cdk5/p25 and CK1, respectively and 4.1 μM for GSK α/β). Inhibits amyloid-β production.  Also available in simple stock solutions ( <a href="#">ab146736</a> ) - add 1 ml of water to get an exact, ready-to-use concentration.
<b>Purity</b>	> 98%
<b>CAS Number</b>	1241675-76-2
<b>Chemical structure</b>	



### Properties

<b>Chemical name</b>	(2R)-2-[[9-(1-Methylethyl)-6-[[3-(2-pyridinyl)phenyl]amino]-9H-purin-2-yl]amino]-1-butanol dihydrochloride
<b>Molecular weight</b>	490.43
<b>Molecular formula</b>	C <sub>23</sub> H <sub>27</sub> N <sub>7</sub> O.2HCl
<b>Storage instructions</b>	Store at +4°C. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM and in DMSO to 100 mM
<b>Handling</b>	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.

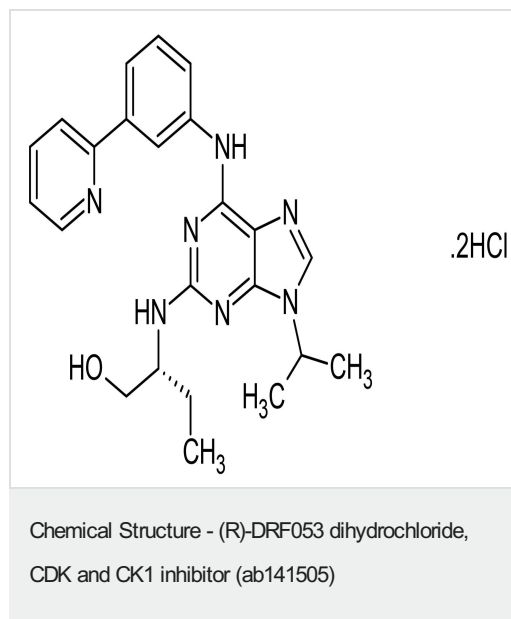
#### SMILES

Cl.Cl.CC[C@H](CO)Nc3nc(Nc1cc(ccc1)c2cccn2)c4ncn(c4n3)C(C)C

#### Source

Synthetic

#### Images



2D chemical structure image of ab141505, (R)-DRF053 dihydrochloride, CDK and CK1 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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