

## Product datasheet

# CAY 10566, SCD1 inhibitor ab14421

### Overview

<b>Product name</b>	CAY 10566, SCD1 inhibitor
<b>Description</b>	Potent, selective SCD1 inhibitor
<b>Biological description</b>	Potent, selective SCD1 inhibitor (IC <sub>50</sub> values are 4.5 and 26 nM in mouse and human SCD1, respectively). Inhibits saturated, long-chain fatty acyl-CoAs conversion to monounsaturated, long-chain fatty acyl-CoAs (IC <sub>50</sub> values are 7.9 and 6.8 nM for heptadecanoic acid and palmitic acid, respectively).
<b>Purity</b>	> 99%
<b>CAS Number</b>	944808-88-2
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	3-[4-(2-Chloro-5-fluorophenoxy)-1-piperidinyl]-6-(5-methyl-1,3,4-oxadiazol-2-yl)pyridazine
<b>Molecular weight</b>	389.82
<b>Molecular formula</b>	C <sub>18</sub> H <sub>17</sub> ClFN <sub>5</sub> O <sub>2</sub>
<b>PubChem identifier</b>	16732433
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM
<b>Handling</b>	<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 <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	CC1=NN=C(O1)C2=NN=C(C=C2)N3CCC(CC3)OC4=C(C=CC(=C4)F)Cl
<b>Source</b>	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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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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