

## Product datasheet

# INDY, DYRK1A/B inhibitor ab223890

[2 References](#) [1 Image](#)

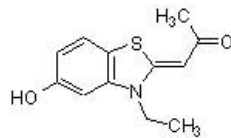
### Overview

<b>Product name</b>	INDY, DYRK1A/B inhibitor
<b>Description</b>	Potent DYRK1A/B inhibitor
<b>Biological description</b>	Potent DYRK1A/B inhibitor (IC <sub>50</sub> values are 0.23 and 0.24 μM for DYRK1B and DYRK1A respectively). Also inhibits DYRK2, DTRK4, CLK1, CLK4, casein kinase 1 and PIM1 (> 90% inhibition at 10 μM). Reverses aberrant tau-phosphorylation and rescues repressed calcineurin/NFAT signaling. Impairs the self-renewal capacity of neural stem cells and glioblastoma tumor-initiating cells.

**Purity** > 98%

**CAS Number** 1169755-45-6

**Chemical structure**



### Properties

<b>Chemical name</b>	(1Z)-1-(3-Ethyl-5-hydroxy-2(3H)-benzothiazolylidene)-2-propanone
<b>Molecular weight</b>	235.30
<b>Molecular formula</b>	C <sub>12</sub> H <sub>13</sub> NO <sub>2</sub> S
<b>PubChem identifier</b>	69538603
<b>Storage instructions</b>	Shipped at Room Temperature. Store at +4°C short term (1-2 weeks). Store at -20°C.
<b>Solubility overview</b>	Soluble 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.

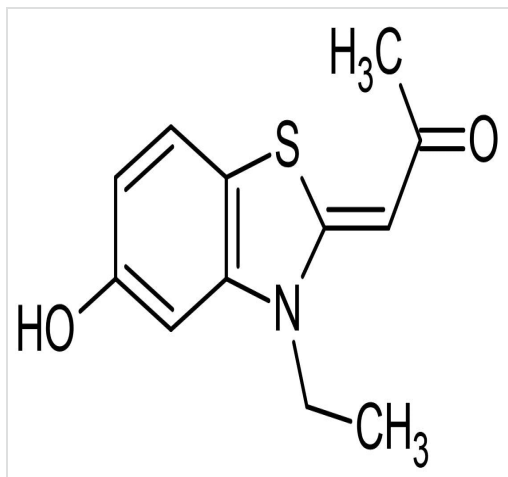
Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

**SMILES** CCN1C2=C(C=CC(=C2)O)SC1=CC(=O)C

Source

Synthetic

## Images



2D chemical structure image of ab223890, INDY, DYRK1A/B inhibitor

Chemical Structure - INDY, DYRK1A/B inhibitor  
(ab223890)

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