

Hello Bio, Inc.  
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## DATASHEET

ITD 1

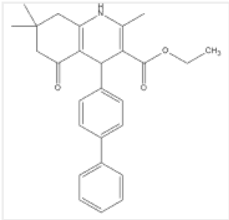
### Product overview

<b>Name</b>	ITD 1
<b>Cat No</b>	HB3446
<b>Biological action</b>	Inhibitor
<b>Purity</b>	>98%
<b>Description</b>	Selective TGF- $\beta$ signaling inhibitor. Induces cardiomyocyte differentiation in ESCs.

### Solubility & Handling

<b>Storage instructions</b>	+4°C
<b>Solubility overview</b>	Soluble in DMSO (20mM) or ethanol (10mM, gentle warming)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	4-[1,1'-Biphenyl]-4-yl-1,4,5,6,7,8-h exahydro-2,7,7-trimethyl-5-oxo-3-quinolinecarboxyl ic acid ethyl ester
<b>Molecular Weight</b>	415.52
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>29</sub> NO <sub>3</sub>
<b>CAS Number</b>	1099644-42-4
<b>PubChem identifier</b>	44135961
<b>SMILES</b>	CC(C3)C)CC(C1=C3NC(C)=C(C(OCC)=O)C1C2=CC=C(C4=CC=CC=C4)C=C2)=O
<b>InChiKey</b>	ULFUJLFTRWWLPO-UHFFFAOYSA-N