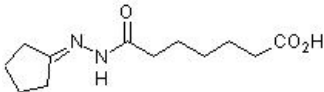


Product datasheet

IDE 2, endoderm formation inducer ab145223

1 Image

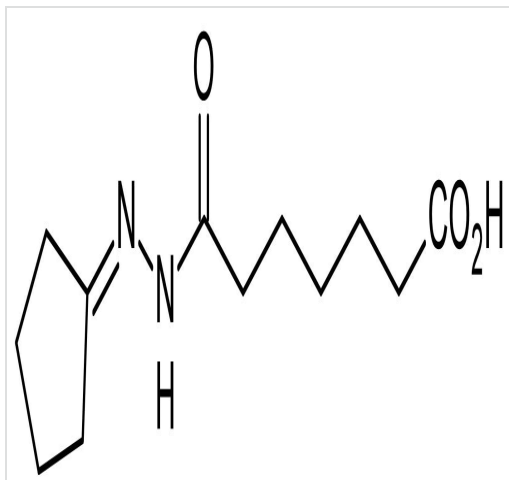
Overview

Product name	IDE 2, endoderm formation inducer
Description	Cell-permeable definitive endoderm formation inducer
Biological description	Cell-permeable definitive endoderm formation inducer (EC_{50} = 223 nM, induction of Sox17 expression in ESCs) similar to IDE 1 (ab145222). Activates TGF- β signaling and downstream Smad2 phosphorylation. Upregulates Nodal expression. Induces gut tube formation <i>in vivo</i> .
Purity	> 98%
CAS Number	1136466-93-7
Chemical structure	

Properties

Chemical name	7-(2-Cyclopentylidenehydrazinyl)-7-oxoheptanoic acid
Molecular weight	240.30
Molecular formula	C ₁₂ H ₂₀ N ₂ O ₃
PubChem identifier	23836158
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 20 mM, in ethanol to 100 mM and in DMSO to 100 mM
Handling	<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 frequently asked questions (FAQ) page for more details.</p>
SMILES	C1CCC(=NNC(=O)CCCCC(=O)O)C1
Source	Synthetic

Images



2D chemical structure image of ab145223, IDE 2, endoderm formation inducer

Chemical Structure - IDE 2, endoderm formation inducer (ab145223)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
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