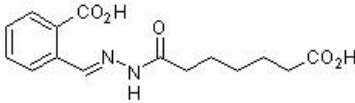


IDE 1, endoderm formation inducer ab145222

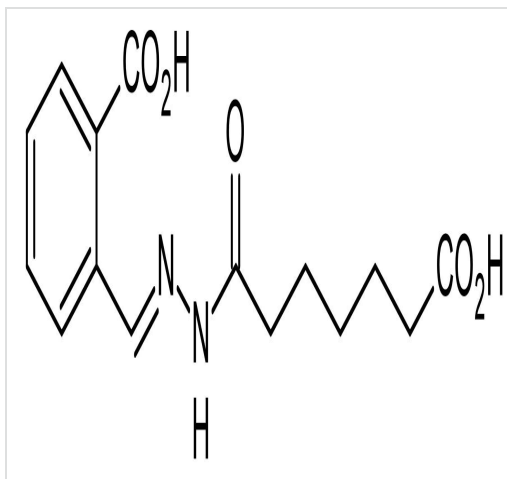
1 Image

Overview

Product name	IDE 1, endoderm formation inducer
Description	Potent cell-permeable definitive endoderm formation inducer
Biological description	Potent cell-permeable definitive endoderm formation inducer (EC ₅₀ = 125 nM, ESC) similar to IDE 2 (ab145223). Induces Sox17 expression. Activates TGF-β signaling and downstream Smad2 phosphorylation. Upregulates Nodal expression. Induces gut tube formation <i>in vivo</i> .
Purity	> 99%
CAS Number	1160927-48-9
Chemical structure	

Properties

Chemical name	7-[2-(2-Carboxybenzylidene)hydrazinyl]-7-oxoheptanoic acid
Molecular weight	306.30
Molecular formula	C ₁₅ H ₁₈ N ₂ O ₅
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 75 mM and in ethanol to 25 mM (with warming)
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	OC(=O)c1ccccc1/C=N/NC(=O)CCCCC(=O)O
Source	Synthetic



2D chemical structure image of ab145222, IDE 1, endoderm formation inducer

Chemical Structure - IDE 1, endoderm formation inducer (ab145222)

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

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