IDE-2

Induces stem cell differentiation

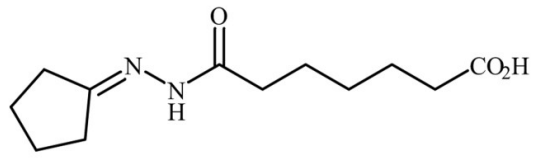
Cell-permeable molecule capable of directing differentiation of mouse and human embryonic stem cells into endodermal cells (EC_{50}=223 nM). Developmental potential of these chemically derived endodermal cells has been shown via continued differentiation into pancreatic progenitor cells and incorperation into developing gut tubes of live mouse embryos. Nodal/Smad signaling is activated indicating IDE-2 functions via TGF-β-signaling pathway.

Citations: 1 View Online »

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BML-SC101-0001	1mg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to one year. Store solutions at -20°C for up to 3 months.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	7-(2-Cyclopentylidenehydrazinyl)-7-oxoheptanoic acid
Appearance	White solid.
CAS	1136466-93-7
Formula	$C_{12}H_{20}N_2O_3$
MW	240.3
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (>25 mg/ml) or 100% ethanol (25 mg/ml).

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