

Product Name	: IDE1
Synonyms	: IDE1; IDE-1; IDE 1
Cat No.	: M17158
CAS Number	: 1160927-48-9
Molecular Formula	: C ₁₅ H ₁₈ N ₂ O ₅
Formula Weight	: 306.3
Chemical Name	: 7-[2-(2-Carboxybenzylidene)hydrazinyl]-7-oxoheptanoic acid
Description	IDE1 is a potent cell-permeable definitive endoderm formation inducer (EC₅₀ = 125 nM, ESC) similar to IDE 2 (ab145223). IDE1 induces Sox17 expression. It also activates TGF-β signaling and downstream Smad2 phosphorylation. IDE1 upregulates Nodal expression.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: DMSO : ≥ 30 mg/mL 97.94 mM
SMILES	: <chem>c1ccc(c(c1)/C=N/NC(=O)CCCCC(=O)O)C(=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Hoveizi E, et al. J Biomed Mater Res A. 2014 Nov;102(11):4027-36.