

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### IDE1, CAS [[1160927-48-9]]

### FBM-10-4159

Article Name	IDE1, CAS [[1160927-48-9]]
Biozol Catalog Number	FBM-10-4159
Supplier Catalog Number	10-4159
Alternative Catalog Number	FBM-10-4159-5MG, FBM-10-4159-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Inducer of definitive endoderm...
Molecular Weight	306.32
Purity	>98% by TLC NMR (Conforms)
Form	White solid
CAS Number	[1160927-48-9]
Formula	C15H18N2O5
Application Notes	IDE1 induces robust differentiation of embryonic stem cells into endoderm (EC50 = 125 nM) in both mouse and human cells via activation of the TGF $\beta$ signaling pathway. <sup>1,2</sup> It has been used in a simplified method to generate human microglia from pluripotent stem cells. <sup>3</sup> IDE1 was also able to generate nephrogenic intermediate mesoderm cells from human pluripotent stem cells that had less toxicity and higher efficiency than cells generated with activin A. <sup>4</sup> It was part of a step-wise all small molecule cocktail that was able to generate functional hepatic cells from human pluripotent stem cells. <sup>5</sup>