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Product Datasheet

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

FBM-10-4159

Artikelname	IDE1, CAS [[1160927-48-9]]
Artikelnummer	FBM-10-4159
Hersteller Artikelnummer	10-4159
Alternativnummer	FBM-10-4159-5MG, FBM-10-4159-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Inducer of definitive endoderm...
Molekulargewicht	306.32
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1160927-48-9]
Formel	C15H18N2O5
Anwendungsbeschreibung	IDE1 induces robust differentiation of embryonic stem cells into endoderm (EC50 = 125 nM) in both mouse and human cells via activation of the TGFβ signaling pathway.^{1,2} It has been used in a simplified method to generate human microglia from pluripotent stem cells.³ 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.⁴ It was part of a step-wise all small molecule cocktail that was able to generate functional hepatic cells from human pluripotent stem cells.⁵