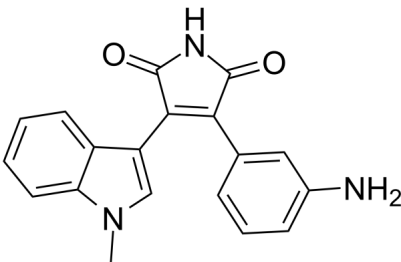


Certificate of Analysis

Catalog Number	BP13770
Product Name	CP21R7

Physical and Chemical Properties

Synonyms	CP21
CAS No.	125314-13-8
Chemical Formula	C ₁₉ H ₁₅ N ₃ O ₂
Molecular Weight	317.348
Solubility	Ethanol: 1 mg/mL (3.15 mM) DMSO: 59 mg/mL (185.9 mM); H ₂ O: <1 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	CP21R7 is an effective and specific GSK3 β inhibitor. It is used as an activator of stem cells prior to the induction of differentiation of stem cells to smooth muscle and endothelial cells. CP21R7 can be combined with BMP4 to commit human pluripotent stem cells to a mesodermal fate.
Targets&IC50	PKC α :1900 nM., GSK-3 β :1.8 nM

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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