Product data sheet



MedKoo Cat#: 555867				
Name: SJA710-6				
CAS#: 1397255-09-2				
Chemical Formula: C ₂₂ H ₂₀ BrFN ₄				
Exact Mass: 438.0855				
Molecular Weight: 439.33				
Product supplied as:	Powder			
Purity (by HPLC):	$\geq 98\%$			
Shipping conditions	Ambient temperature			
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years.			
-	In solvent: -80°C 3 months; -20°C 2 weeks.			



1. Product description:

SJA710-6 is a hepatic differentiation inducer.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	250	569.06

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.28 mL	11.38 mL	22.76 mL
5 mM	0.46 mL	2.28 mL	4.55 mL
10 mM	0.23 mL	1.14 mL	2.28 mL
50 mM	0.05 mL	0.23 mL	0.46 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

1. Ouyang J, Shao J, Zou H, Lou Y, Yu Y. Hepatic differentiation of rat mesenchymal stem cells by a small molecule. ChemMedChem. 2012 Aug;7(8):1447-52. doi: 10.1002/cmdc.201200162. Epub 2012 Jun 19. PMID: 22715131.

In vivo study

To be determined

7. Bioactivity

Biological target:

SJA710-6 selectively differentiates MSCs toward hepatocyte-like cells.

In vitro activity

SJA710-6 was able to induce the differentiation of rMSCs toward hepatocyte-like cells in vitro. rMSCs treated with SJA710-6 had typical morphological and functional characteristics of hepatic cells, including glycogen storage, urea secretion, uptake of low density lipoprotein (LDL) and expression of hepatocyte-specific genes and proteins.

Reference: ChemMedChem. 2012 Aug;7(8):1447-52. https://pubmed.ncbi.nlm.nih.gov/22715131/

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In vivo activity

SJA6017 may have potential in spinal cord injury treatment. In a rat spinal cord injury model, SJA6017 reduced apoptotic cell death, preserved spinal cord tissue and improved functional outcome. SJA6017 treated rats had significantly reduced tissue injury and had ameliorated recovery of limb function.

Reference: J Clin Neurosci. 2008 Oct;15(10):1130-6. https://pubmed.ncbi.nlm.nih.gov/18656362/

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.