

# Product data sheet



MedKoo Cat#: 564830 Name: NSC-109116 CAS: 4906-68-7 Chemical Formula: C <sub>13</sub> H <sub>9</sub> BrO <sub>3</sub> Exact Mass: 291.9735 Molecular Weight: 293.116		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 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:

NSC-109116 is a potent and selective human 20 $\alpha$ -hydroxysteroid dehydrogenase (AKR1C1) inhibitor.

## 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
DMF	15.0	51.17
DMF:PBS (pH 7.2) (1:9)	0.1	0.34
DMSO	57.17	195.03
Ethanol	29.55	100.81

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.41 mL	17.06 mL	34.12 mL
5 mM	0.68 mL	3.41 mL	6.82 mL
10 mM	0.34 mL	1.71 mL	3.41 mL
50 mM	0.07 mL	0.34 mL	0.68 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

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

AKR1C1-IN-1 is a potent and selective inhibitor of human 20 $\alpha$ -hydroxysteroid dehydrogenase (AKR1C1), with a K<sub>i</sub> value of 4 nM for AKR1C1.

In vitro activity

TBD

In vivo activity

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TBD

*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.*