

Product Name: ASP 9521

Catalog No.: 6084

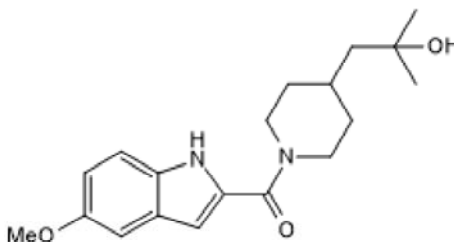
Batch No.: 1

CAS Number: 1126084-37-4

IUPAC Name: [4-(2-Hydroxy-2-methylpropyl)-1-piperidinyl](5-methoxy-1*H*-indol-2-yl)methanone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₆N₂O₃
Batch Molecular Weight: 330.42
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.43 (10 % CH₃OH in CH₂Cl₂)
HPLC: Shows >98.2% purity
¹H NMR: Consistent with structure
 Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	69.06	7.93	8.48
Found	68.79	8.08	8.48

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: ASP 9521

Catalog No.: 6084

Batch No.: 1

CAS Number: 1126084-37-4

IUPAC Name: [4-(2-Hydroxy-2-methylpropyl)-1-piperidinyl](5-methoxy-1*H*-indol-2-yl)methanone

Description:

Potent 17 β -hydroxysteroid dehydrogenase type 5 inhibitor (IC_{50} = 11 - 49 nM). Suppresses androstenedione-dependent protein-specific antigen (PSA) production and cell proliferation in LNCaP cells *in vitro*. Orally bioavailable.

Physical and Chemical Properties:

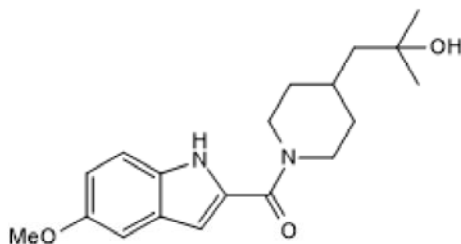
Batch Molecular Formula: C₁₉H₂₆N₂O₃

Batch Molecular Weight: 330.42

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Kikuchi et al (2014) *In vitro* and *in vivo* characterisation of ASP9521: a novel, selective, orally bioavailable inhibitor of 17 β -hydroxysteroid dehydrogenase type 5 (17 β HSD5; AKR1C3). *Invest.New Drugs* **32** 860. PMID: 24981575.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956