

Certificate of Analysis

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Product Name: GSK 2801

Catalog No.: 5635

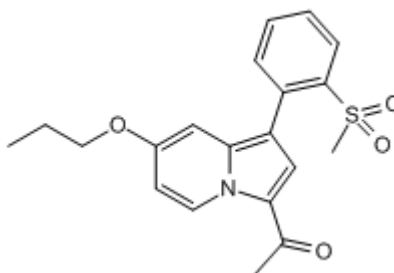
Batch No.: 1

CAS Number: 1619994-68-1

IUPAC Name: 1-[1-[2-(Methylsulfonyl)phenyl]-7-propoxy-3-indoliziny]ethanone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₂₁NO₄S
Batch Molecular Weight: 371.45
Physical Appearance: Pale yellow solid
Solubility: DMSO to 50 mM
 ethanol to 10 mM with gentle warming
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.41 (Ethyl acetate:Petroleum ether [2:3])
HPLC: Shows >99.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	64.67	5.7	3.77
Found	64.82	5.72	3.71

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

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Description:

Selective BAZ2A and BAZ2B inhibitor (IC₅₀ values are 0.40 and 0.43 μM, respectively). Selective for BAZ2A/B over TAF1L and BRD9. Cell permeable and orally available.

Physical and Chemical Properties:

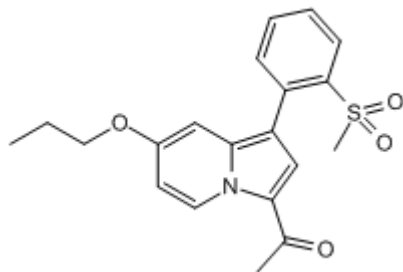
Batch Molecular Formula: C₂₀H₂₁NO₄S

Batch Molecular Weight: 371.45

Physical Appearance: Pale yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 50 mM

ethanol to 10 mM with gentle warming

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.

References:

Chen et al (2015) Discovery and characterization of GSK2801, a selective chemical probe for the bromodomains BAZ2A and BAZ2B. *J.Med.Chem.* PMID: 25799074.

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