

Product Name: GSK 9311 hydrochloride

Catalog No.: 6203

Batch No.: 1

CAS Number: 2253733-09-2

IUPAC Name: *N*-[2,3-Dihydro-1,3-dimethyl-6-[(2*R*)-2-methyl-1-piperazinyl]-2-oxo-1*H*-benzimidazol-5-yl]-*N*-ethyl-2-methoxybenzamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₄H₃₁N₅O₃·HCl·³/₄H₂O

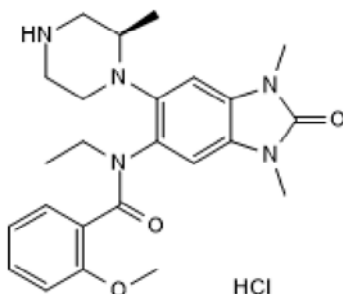
Batch Molecular Weight: 487.51

Physical Appearance: Off-white solid

Solubility: water to 100 mM
DMSO to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99% purity

Chiral HPLC: Shows 99.8% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.13	6.93	14.37
Found	59.05	6.92	14.34

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Description:

GSK 9311 hydrochloride is a negative control for GSK 6853 (Cat. No. 6198)

Physical and Chemical Properties:

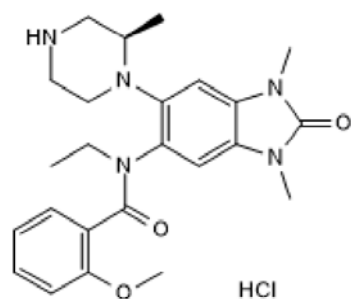
Batch Molecular Formula: C₂₄H₃₁N₅O₃·HCl·¾H₂O

Batch Molecular Weight: 487.51

Physical Appearance: Off-white solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

water to 100 mM

DMSO 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.

Licensing Information:

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the GSK 9311 probe summary on the SGC website.

References:

Bamborough et al (2016) GSK6853, a chemical probe for inhibition of the BRPF1 bromodomain. *ACS Med.Chem.Lett.* **7** 552. PMID: 27326325.

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