

Certificate of Analysis

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Product Name: SAR 216471 hydrochloride

Catalog No.: 5650

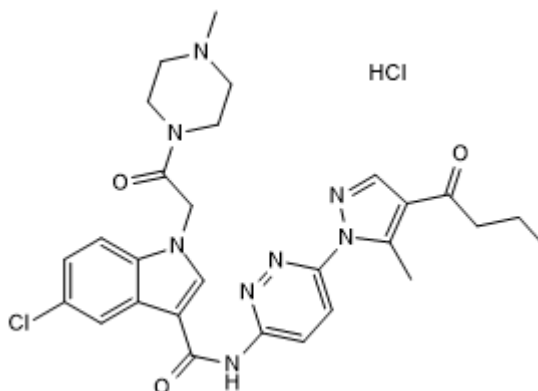
Batch No.: 1

CAS Number: 1279829-64-9

IUPAC Name: 5-Chloro-N-[6-[5-methyl-4-(1-oxobutyl)-1H-pyrazol-1-yl]-3-pyridazinyl]-1-[2-(4-methyl-1-piperazinyl)-2-oxoethyl]-1H-indole-3-carboxamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₈ H ₃₁ ClN ₈ O ₃ .HCl.H ₂ O
Batch Molecular Weight:	617.53
Physical Appearance:	Cream solid
Solubility:	DMSO to 20 mM with gentle warming
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows >98.1% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	54.46	5.55	18.15
Found	54.65	5.33	17.95

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

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Description:

Potent P2Y₁₂ antagonist (IC₅₀ = 17 nM). Displays antiplatelet and antithrombotic activity in vivo. Orally available.

Physical and Chemical Properties:

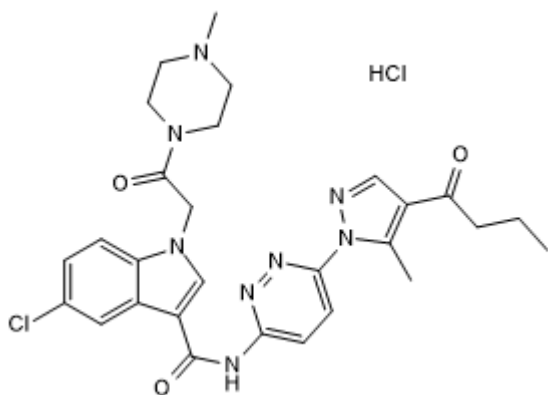
Batch Molecular Formula: C₂₈H₃₁ClN₈O₃·HCl·H₂O

Batch Molecular Weight: 617.53

Physical Appearance: Cream solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 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:

Boldron et al (2014) N-[6-(4-butanoyl-5-methyl-1H-pyrazol-1-yl)pyridazin-3-yl]-5-chloro-1-[2-(4-methylpiperazin-1-yl)-2-oxoethyl]-1H-indole-3-carboxamide (SAR216471), a novel intravenous and oral, reversible, and directly acting P2Y₁₂ antagonist. *J.Med.Chem.* **57** 7293. PMID: 25075638.

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