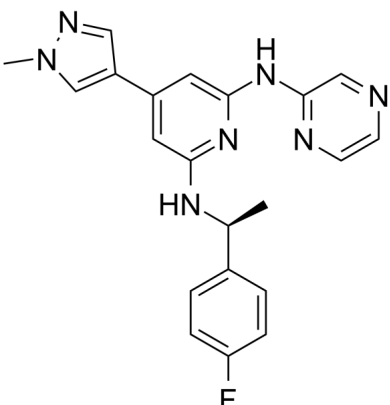


Certificate of Analysis

Catalog Number	BP10284
Product Name	Ilginatinib

Physical and Chemical Properties

Synonyms	NS-018
CAS No.	1239358-86-1
Chemical Formula	C ₂₁ H ₂₀ FN ₇
Molecular Weight	389.438
Solubility	DMSO: 34 mg/mL (87.31 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of Ilginatinib is shown. It features a central pyridine ring substituted with a 4-methyl-1H-imidazol-2-yl group at the 3-position, a 4-pyridinyl group at the 5-position, and a (1S)-1-(4-fluorophenyl)ethan-1-yl group at the 2-position. The stereochemistry at the chiral center is (S), indicated by a wedge bond to the phenyl ring.</p>

Product Information

Description	Ilginatinib is a highly active and orally bioavailable inhibitor of JAK2.
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Targets&IC50	JAK2: 0.72 nM, JAK1: 33 nM, Tyk2: 22 nM, JAK3: 39 nM
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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