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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION

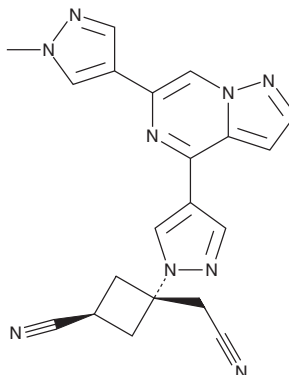


PF-06826647

Item No. 37577

CAS Registry No.: 2127109-84-4
Formal Name: *trans*-3-cyano-1-[4-[6-(1-methyl-1H-pyrazol-4-yl)pyrazolo[1,5-a]pyrazin-4-yl]-1H-pyrazol-1-yl]-cyclobutaneacetonitrile
Synonyms: Ropsacitinib, TYK2-IN-8, TYK2 Inhibitor 8

MF: C₂₀H₁₇N₉
FW: 383.4
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

PF-06826647 is supplied as a solid. A stock solution may be made by dissolving the PF-06826647 in the solvent of choice, which should be purged with an inert gas. PF-06826647 is soluble in methanol.

Description

PF-06826647 is an inhibitor of tyrosine kinase 2 (TYK2; IC₅₀ = 15 nM).¹ It is selective for TYK2 over JAK1, JAK2, and JAK3 (IC₅₀s = 383, 74, and >10,000 nM, respectively). PF-06826647 inhibits IL-12-induced phosphorylation of STAT4 in isolated human whole blood (IC₅₀ = 14 nM). *In vivo*, PF-06826647 (3-30 mg/kg, p.o.) reduces ear edema in a mouse model of skin inflammation induced by the toll-like receptor 7 (TLR7) agonist imiquimod (Item No. 14956).

Reference

1. Gerstenberger, B.S., Ambler, C., Arnold, E.P., *et al.* Discovery of tyrosine kinase 2 (TYK2) inhibitor (PF-06826647) for the treatment of autoimmune diseases. *J. Med. Chem.* **63**(22), 13561-13577 (2020).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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