



biochemicals

Manufactured by VDM Biochemicals.LLC

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Product Data Sheet

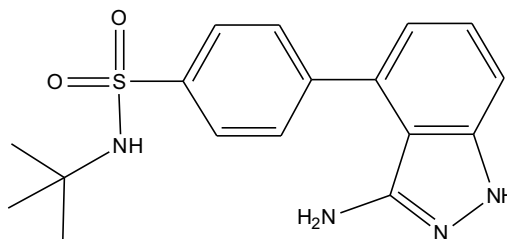
Product name: **JAK2 Inhibitor IV**

Cat. number: **VD-OEIA-10006** CAS Number: **1110502-30-1** Lot number: **VD6519504** www.vdm.bio

Personal protective equipment

■ Lab coat.

■ Safety glasses.



Product Specification

Formula:	C ₁₇ H ₂₀ N ₄ O ₂ S
MW:	344.4
Purity:	>=97% by HPLC
Appearance:	Pale yellow solid
Solubility:	DMSO or EtOH
Storage:	+2°C to +8°C. Protect from light.
Synonyms:	3-Amino-5-(N-tert-butylsulfonamido-4-phenyl)-indazole

Product Description:

An aminoindazole compound that potently inhibits the activity of both the wild-type JAK2 and the constitutively active V617F mutant (IC₅₀ = 78 and 206 nM, respectively) frequently found in patients with clonal polycythemia vera, essential thrombocytosis, and chronic idiopathic myelofibrosis, while exhibiting much reduced activity against JAK3 (IC₅₀ = 2.93 μM).

Product References

1. Antonyamy, S., et al. 2008. Bioorg. Med. Chem. Lett. 19, 279.

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