Creative Enzymes®

# S-Ruxolitinib (INCB018424)

*Cat. No. CEI-1074*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | S-Ruxolitinib is the chirality of INCB018424, which is the first potent, selective, JAK1/2 inhibitor to enter the clinic with IC50 of 3.3 nM/2.8 nM, >130-fold selectivity for JAK1/2 versus JAK3. Phase 3. |
| ***Synonyms*** | JAK1A, JAK1B, JTK3 |

## Product Information

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| ***CAS No.*** | 941685-37-6 |
| ***Molecular Formula*** | C17H18N6 |
| ***Chemical Name*** | 1H-Pyrazole-1-propanenitrile, β-cyclopentyl-4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-, (βS)- |
| ***Molecular Weight*** | 306.37 |
| ***Purity*** | 99.81% |
| ***Targets*** | JAK1, JAK2 |
| ***IC50*** | 3.3 nM, 2.8 nM |
| ***Solubility*** | DMSO 61 mg/mL Water 5 mg/mL Ethanol 61 mg/mL |

## Storage and Shipping Information

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| ***Storage*** | 2 years -20 centigrade Powder 2 weeks4centigradein DMSO 6 months-80centigradein DMSO |