

## S-Ruxolitinib (INCB018424)

Cat. No. CEI-1074

Lot. No. (See product label)

### Introduction

**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

**CAS No.** 941685-37-6

**Molecular Formula** C17H18N6

**Chemical Name** 1H-Pyrazole-1-propanenitrile,  $\beta$ -cyclopentyl-4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-, ( $\beta$ S)-

**Molecular Weight** 306.37

**Purity** 0.9981

**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

**Storage** 2 years -20 centigrade Powder 2 weeks 4 centigrade in DMSO 6 months -80 centigrade in DMSO