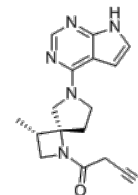


**Product Name** : Delgocitinib  
**Cat. No.** : PC-60508  
**CAS No.** : 1263774-59-9  
**Molecular Formula** : C<sub>16</sub>H<sub>18</sub>N<sub>6</sub>O  
**Molecular Weight** : 310.361  
**Target** : JAK  
**Solubility** :



1. Tanimoto A, et al. *Inflamm Res*. 2015 Jan;64(1):41-51.  
2. Amano W, et al. *J Allergy Clin Immunol*. 2015 Sep;136(3):667-67

## Biological Activity

Delgocitinib (JTE-052, LEO 124249) is a potent, selective, orally active, pan-**JAK** inhibitor with IC<sub>50</sub> of 2.8, 2.6, 13 and 58 nM for JAK1,2,3 and Tyk2, respectively; does not inhibit a broad panel of kinases with exception of ROCK-II (IC<sub>50</sub>=140 nM); inhibits cytokine signaling evoked by IL-2, IL-6, IL-23, granulocyte/macrophage CSF, and IFN- $\alpha$  in vitro; potently suppresses the IL-2-induced IFN- $\gamma$  production in mice (ED<sub>50</sub>=1.1 mg/kg), suppresses inflammatory responses in collagen-induced arthritis model.

Psoriasis

Phase 2 Clinical

## References

3. Tanimoto A, et al. *BMC Musculoskelet Disord*. 2015 Nov6;16:339.

