

## Tofacitinib, JAK inhibitor

Catalog	Unit
TBI2177-5MG	5 mg
TBI2177-25MG	25 mg

### Product Details

**Formal Name:** (3R,4R)-4-Methyl-3-(methyl-7H-pyrrolo[2,3-d]pyrimidin-4-ylamino)-β-oxo-1-piperidine-propanenitrile

**Alternate Names:** Tasocitinib; CP-690550

**Molecular Formula:** C<sub>16</sub>H<sub>20</sub>N<sub>6</sub>O

**Formula Weight:** 312.40

**CAS Number:** 477600-75-2

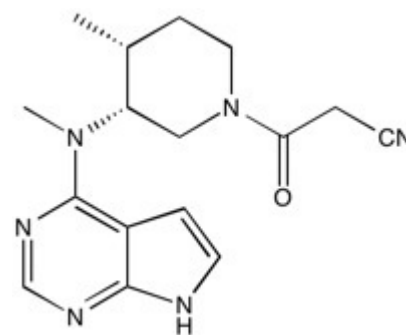
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 100 mg/ml) or in Ethanol (up to 100 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

JAK inhibitor

### Functions

Potent pan-JAK inhibitor, IC<sub>50</sub>s=1, 20 and 112 nM for JAK3, JAK2 and JAK1 respectively. Displays potent antiinflammatory and immunosuppressant activity. Promotes a white-to-brown metabolic conversion in human adipocytes. In therapeutic use for rheumatoid arthritis.

### Application Procedures

First dissolved in DMSO (up to 100 mg/ml) or in Ethanol (up to 100 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**For research use only.**