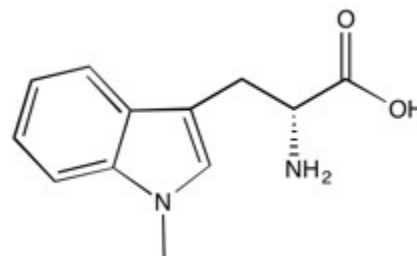


## Indoximod, IDO modulator / tryptophan mimetic

Catalog	Unit
TBI4569-50MG	50 mg
TBI4569-250MG	250 mg

### Product Details

**Formal Name:** 1-Methyl-D-tryptophan  
**Molecular Formula:** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>  
**Formula Weight:** 218.25  
**CAS Number:** 110117-83-4  
**Purity:** >98%  
**Formulation:** powder  
**Solubility:** Soluble in DMSO (greater than 25 mg/ml).  
**Storage:** -20°C  
**Stability:** ≥ 1 year.



### Applications

IDO modulator / tryptophan mimetic

### Functions

Indoximod is a modulator of indoleamine 2,3-dioxygenase (IDO) activity. IDO can be used by tumors to avoid elimination by the host immune response, thus inhibition of IDO is an interesting cancer therapeutic option. Indoximod is not a direct inhibitor of IDO, but instead targets the IDO gene leading to downstream effects. IDO-mediated catabolism of tryptophan inhibits the immunoregulatory kinases mTOR and PKC $\delta$ . This is relieved by Indoximod acting as a potent tryptophan mimetic restoring mTOR and PKC signaling.

### Application Procedures

First dissolved in DMSO (greater than 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

**For research use only.**