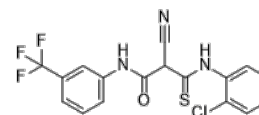


**Product Name** : MIF inhibitor Compound 1  
**Cat. No.** : PC-24620  
**CAS No.** : 169120-56-3  
**Molecular Formula** : C<sub>17</sub>H<sub>11</sub>ClF<sub>3</sub>N<sub>3</sub>OS  
**Molecular Weight** : 397.80  
**Target** : Indoleamine 2,3-Dioxygenase (IDO)  
**Solubility** : 10 mM in DMSO



CAS: 169120-56-3

## Biological Activity

MIF inhibitor Compound 1 (DP00477) is a small molecule allosteric inhibitor of macrophage migration inhibitory factor (MIF) with  $K_i$  of 1.3  $\mu$ M, also is a potent IDO1 (indoleamine 2,3-dioxygenase 1) inhibitor with  $IC_{50}$  of 7.0  $\mu$ M. MIF inhibitor Compound 1 (10  $\mu$ M) demonstrated selective inhibition activity against HL-60, blocking cell growth by 66%.

## References

Pantouris G, et al. ACS Omega. 2025 Apr 22;10(17):17441-17452.  
Röhrig UF, et al. Eur J Med Chem. 2014 Sep 12;84:284-301.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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