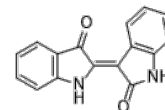


**Product Name** : Indirubin  
**Cat. No.** : PC-23914  
**CAS No.** : 479-41-4  
**Molecular Formula** : C<sub>16</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 262.27  
**Target** : Aryl hydrocarbon Receptor (AhR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Indirubin (Couroupitine B) is a bis-indole alkaloid and has remarkable anticancer activity against CML, is a high affinity ligand of aryl hydrocarbon receptor (AHR) with dissociation constant (K<sub>D</sub>) value of 46.6 nM.

## References

- Diao X, et al. Nat Commun. 2025 Feb 3;16(1):1282.  
Kim MH, et al. J Ethnopharmacol. 2013 Jan 9;145(1):214-9.  
Hsieh WL, et al. J Dermatol Sci. 2012 Aug;67(2):140-6.

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

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