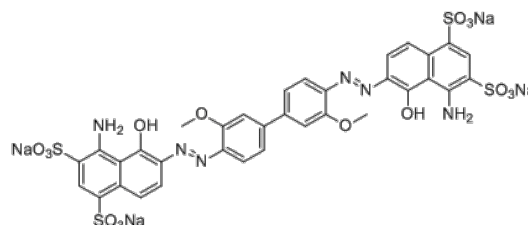


**Product Name** : Chicago Sky Blue 6B  
**Cat. No.** : PC-60881  
**CAS No.** : 2610-05-1  
**Molecular Formula** : C<sub>34</sub>H<sub>24</sub>N<sub>6</sub>Na<sub>4</sub>O<sub>16</sub>S<sub>4</sub>  
**Molecular Weight** : 992.791  
**Target** : Amyloids  
**Solubility** : 10 mM in DMSO



## Biological Activity

Chicago Sky Blue 6B (Direct Blue 1) is a counterstain for background autofluorescence in fluorescence and immunofluorescence histochemistry, also is the first small molecule prion protein (PrP) ligand capable of inhibiting A $\beta$  binding.

Chicago Sky Blue 6B inhibits A $\beta$  binding and reduce prion levels was established in cell-based assays.

Chicago Sky Blue 6B also is a competitive VGLUT inhibitor without affecting plasma membrane transporters, shows antinociceptive effects in vivo.

Chicago Sky Blue 6B also is an allosteric inhibitor of macrophage migration inhibitory factor (**MIF**) with IC<sub>50</sub> of 0.81  $\mu$ M.

## References

- Risse E, et al. *J Biol Chem*. 2015 Jul 3;290(27):17020-8.  
Yu G, et al. *Behav Pharmacol*. 2013 Dec;24(8):653-8.  
He Z, et al. *Behav Brain Res*. 2013 Feb 15;239:172-6.  
Bai F, et al. *J Biol Chem*. 2012 Aug 31;287(36):30653-63.

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

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