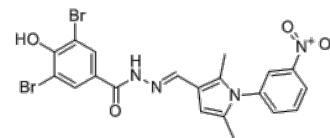


**Product Name** : Kinesore  
**Cat. No.** : PC-62648  
**CAS No.** : 363571-83-9  
**Molecular Formula** : C<sub>20</sub>H<sub>16</sub>Br<sub>2</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 536.18  
**Target** : Kinesin  
**Solubility** : 10 mM in DMSO



## Biological Activity

Kinesore is a small molecule activator of kinesin-1 that inhibits **KLC2-SKIP** interaction with IC<sub>50</sub> of 101 μM, K<sub>i</sub> of 49 μM. Kinesore inhibits kinesin-1 interactions with short linear peptide motifs found in organelle-specific cargo adaptors, yet activates kinesin-1's function of controlling microtubule dynamics in cells. Kinesore induces the remodeling of the microtubule network.

## References

Randall TS, et al. *Proc Natl Acad Sci U S A*. 2017 Dec 26;114(52):13738-13743.

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

E-mail: tech@probechem.com