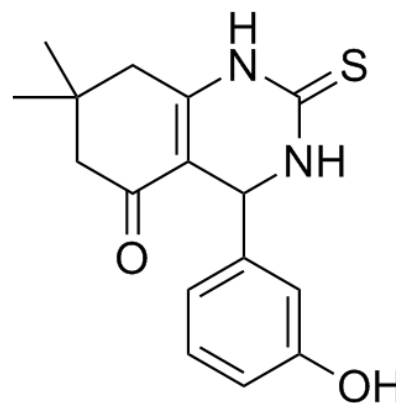


**Product Name** : Dimethylenastron  
**Cat. No.** : PC-45755  
**CAS No.** : 863774-58-7  
**Molecular Formula** : C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 302.3913  
**Target** : Kinesin  
**Solubility** : DMSO: ≥ 31 mg/mL



### Biological Activity

A small molecule inhibitor of the mitotic kinesin Eg5; inhibits endothelial cell proliferation and migration in vitro; exhibits a shorter mitotic arrest, bipolar or multipolar karyokinesis, followed by apoptosis of the daughter cells in dimethylenastron-treated tetraploid cells.

### References

- Rello-Varona S, et al. Cell Cycle. 2009 Apr 1;8(7):1030-5.  
Exertier P, et al. Oncotarget. 2013 Dec;4(12):2302-16.  
Kaan HY, et al. J Med Chem. 2010 Aug 12;53(15):5676-83.

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

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