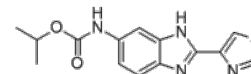


**Product Name** : NSC 377071  
**Cat. No.** : PC-60598  
**CAS No.** : 26097-80-3  
**Molecular Formula** : C<sub>14</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>S  
**Molecular Weight** : 302.352  
**Target** : Autophagy-related Protein (Atg)  
**Solubility** : 10 mM in DMSO



## Biological Activity

NSC 377071 (NSC-377071, NSC377071, Cambendazole) is a novel **ATG4B** antagonist that inhibits **autophagy**, with no effect on mTOR and PI3K activities.

NSC 377071 directly inhibits cellular ATG4B activity induced by starvation or rapamycin and suppresses the lipidation of LC3B and autophagosome formation in response to starvation.

NSC 377071 suppresses Saos-2 osteosarcoma growth in vivo.

## References

Akin D, et al. *Autophagy*. 2014;10(11):2021-35.

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

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