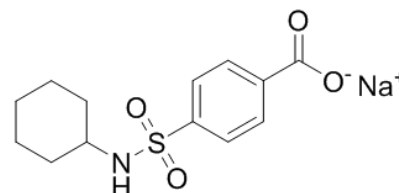


**Product Name** : NSC23005 sodium  
**Cat. No.** : PC-42259  
**CAS No.** : 1796596-46-7  
**Molecular Formula** : C<sub>13</sub>H<sub>16</sub>NNaO<sub>4</sub>S  
**Molecular Weight** : 305.33  
**Target** : Other Targets  
**Solubility** : DMSO: 6.4 mg/mL (Need ultrasonic)



### Biological Activity

NSC23005 sodium (p18-IN-40) is a specific, effective **p18** (p18INK4C) inhibitor that can selectively promote HSCs expansion with EC<sub>50</sub> of 5.21 nM.

NSC23005 sodium inhibits p18, and then activates CDK4/6, promotes HSCs expansion in both murine and human models.

NSC23005 sodium shows no activity in promoting the proliferation of leukemia cells, and no significant cytotoxicity toward 32D cells or HSCs.

### References

Xie XQ, et al. *Sci Rep.* 2015 Dec 18;5:18115.

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

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