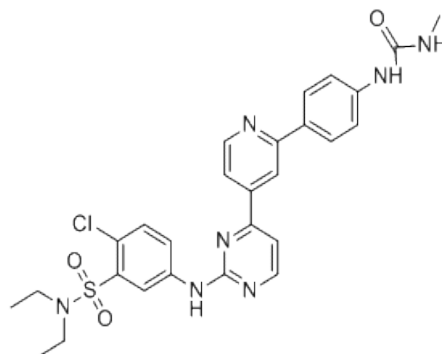


## Data Sheet

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**Product Name** : hSMG-1 inhibitor 11j  
**Cat.No.** : URK-V2332  
**CAS No.** : 1402452-15-6  
**Molecular Formula** :  $C_{27}H_{28}ClN_7O_3S$   
**Molecular Weight** : 566.077  
**Target** :  
**Solubility** :



### Biological Activity

hSMG-1 inhibitor 11j is a potent, selective hSMG-1 kinase inhibitor with  $IC_{50}$  of 0.11 nM, 455-fold selectivity over mTOR and no activity against CDK1/2; eliminates UPF1 phosphorylation at 1  $\mu$ M and significantly reduced it at 0.3  $\mu$ M shows little apparent effect on phospho p70s6 K and phospho AKT, targets of mTOR and PI3K; also shows good inhibition in an MDA468 cell proliferation assay with an  $IC_{50}$  of 75 nM, providing a tool compound to probe hSMG-1 mediated tumor biology.

### References

1. Gopalsamy A, et al. Bioorg Med Chem Lett. 2012 Nov 1;22(21):6636-41.

*Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!*

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

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