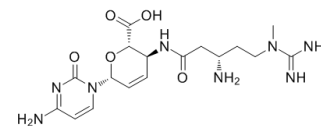


## Blasticidin S

Cat. No.:	HY-103401A
CAS No.:	2079-00-7
Molecular Formula:	C <sub>17</sub> H <sub>26</sub> N <sub>8</sub> O <sub>5</sub>
Molecular Weight:	422.44
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

Description	Blasticidin S is a nucleoside antibiotic isolated from <i>Streptomyces griseochromogenes</i> . Blasticidin S is a potent inhibitor of protein synthesis in both prokaryotic and eukaryotic cells <sup>[1]</sup> .
IC <sub>50</sub> & Target	Antibiotic <sup>[1]</sup>
In Vitro	Blasticidin S (BlaS) is a broad spectrum antibiotic and inhibits cell growth in prokaryotes, fungi, plants, and mammalian cells <sup>[1]</sup> .

### REFERENCES

[1]. Kitamura K, et al. Critical role of the proton-dependent oligopeptide transporter (POT) in the cellular uptake of the peptidyl nucleoside antibiotic, blasticidin S. *Biochim Biophys Acta Mol Cell Res.* 2017 Feb;1864(2):393-398.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA