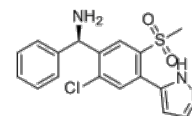


**Product Name** : NVS1.1  
**Cat. No.** : PC-21294  
**CAS No.** :  
**Molecular Formula** : C<sub>17</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight** : 361.84  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

NVS1.1 is a potent readthrough promoter, promotes the rapid and specific degradation of eukaryotic release factor 1 (**eRF1**) and restores functional full-length proteins in cystic fibrosis and Hurler disease models.

NVS1.1 restores  $\alpha$ -L-iduronidase (IDUA) enzyme activity and reduces the GAG levels in a dose-dependent manner in human patient-derived fibroblasts.

NVS1.1 stimulates premature termination codon (PTC) suppression by triggering rapid proteasomal degradation of the translation termination factor eRF1.

NVS1.1 blocks translation termination by trapping eRF1 in the A site, causing ribosome collisions.

NVS1.1 is efficacious in a rat Hurler IDUA-W401X animal model, shows good drug-like properties with favorable pharmacokinetics, metabolic stability, and suitability for oral administration.

### References

Gurzeler LA, et al. *Cell Rep.* 2023 Sep 26;42(9):113056.

Patent WO2014/091446A1

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

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