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## Product Data Sheet

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Product Name: Codon readthrough inducer 1

Cat. No.: GC30696

### Chemical Properties

Cas. No. 1338233-09-2

SMILES O=C(N(C=C1)CC(O2)=CC=C2C3=C([N+])([O-])=O)C=CC=C3)NC1=O

Formula  $C_{15}H_{11}N_3O_5$  M.Wt 313.26

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Codon readthrough inducer 1, containing pyrimidine bases, shows good readthrough activity.

Codon readthrough inducer 1 (Compound 13a) induces readthrough of premature termination codons[1].

[1]. Jung ME, et al. Synthesis and evaluation of compounds that induce readthrough of premature termination codons. *Bioorg Med Chem Lett*. 2011 Oct 1;21(19):5842-8.

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

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