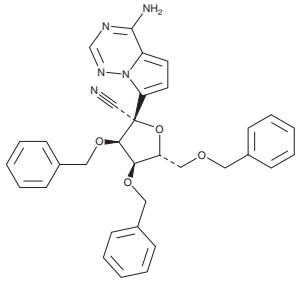
PRODUCT INFORMATION

Remdesivir-010-S

Item No. 46360

CAS Registry No.:	1369903-46-7
Formal Name:	2-C-(4-aminopyrrolo[2,1-f][1,2,4] triazin-7-yl)-2,5-anhydro-3,4,6-tris-O-(phenylmethyl)-D-allononitrile
MF:	$C_{33}H_{31}N_5O_4$
FW:	561.6
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Remdesivir-010-S is supplied as a solid. A stock solution may be made by dissolving the remdesivir-010-S in the solvent of choice, which should be purged with an inert gas. Remdesivir-010-S is slightly soluble (0.1-1 mg/ml) in ethanol and sparingly soluble (1-10 mg/ml) in DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of remdesivir-010-S can be prepared by directly dissolving the solid in aqueous buffers. Remdesivir-010-S is soluble (≥10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Remdesivir-010-S is a nucleoside and synthetic intermediate.[1,2] It has been used in the synthesis of antiviral nucleosides, including remdesivir (Item No. 30354).

References

1. Cho, A., Saunders, O.L., Butler, T., *et al.* Synthesis and antiviral activity of a series of 1'-substituted 4-aza-7,9-dideazaadenosine C-nucleosides. *Bioorg. Med. Chem.* **22(8)**, 2705-2707 (2012).
2. Vieira, T., Stevens, A.C., Chtchemelinine, A., *et al.* Development of a large-scale cyanation process using continuous flow chemistry en route to the synthesis of remdesivir. *Org. Process Res. Dev.* **24(10)**, 2113-2121 (2020).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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