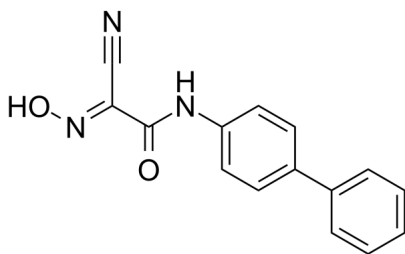


Certificate of Analysis

Catalog Number	BP13175
Product Name	DHODH-IN-11

Physical and Chemical Properties

CAS No.	1263303-95-2
Chemical Formula	C ₁₅ H ₁₁ N ₃ O ₂
Molecular Weight	265.272
Solubility	DMSO: 10 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	DHODH-IN-11 is a leflunomide derivative and weak dihydroorotate dehydrogenase (DHODH) inhibitor with a pKa of 5.03.
Targets&IC50	DHODH:5.03(pKa)

In vitro	A compound structurally related to leflunomide was designed, which contained furan ring (compound 14a). Compound 14a undergoes 4 ring cleavage under physiological pH conditions to obtain the corresponding cyanooxime DHODH-IN-11 (compound 14b). DHODH-IN-14 has been analyzed as a DHODH inhibitor; its inefficiency may be due to the unfavorable stereochemistry of the oxime substructure.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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