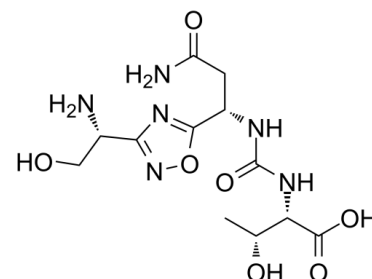


Data Sheet

Product Name:	PD-1-IN-1
Cat. No.:	CS-6240
CAS No.:	1673534-76-3
Molecular Formula:	C ₁₂ H ₂₀ N ₆ O ₇
Molecular Weight:	360.32
Target:	PD-1/PD-L1
Pathway:	Immunology/Inflammation
Solubility:	DMSO : 28.5 mg/mL (79.10 mM; Need ultrasonic and warming)



BIOLOGICAL ACTIVITY:

PD-1-IN-1 is an inhibitor of programmed cell death-1 (PD-1) extracted from patent WO2015033299A1, compound example 4. PD-1-IN-1 can be used as immune modulator^[1]. IC₅₀ & Target: PD-1^[1] **In Vitro:** PD-1 is a co-receptor that is expressed predominantly by T cells. The binding of PD-1 to its ligands, PD-L1 or PD-L2, is vital for the physiological regulation of the immune system^[1].

References:

[1]. Pottayil Govindan Nair Sasikumar, et al. 1,2,4-oxadiazole derivatives as immunomodulators. WO2015033299A1.

CAIndexNames:

L-Threonine, N-[[[(1S)-3-amino-1-[3-[(1R)-1-amino-2-hydroxyethyl]-1,2,4-oxadiazol-5-yl]-3-oxopropyl]amino]carbonyl]-

SMILES:

C[C@@H](O)[C@@H](C(=O)O)NC(N[C@H](C1=NC([C@@H](N)CO)=NO1)CC(N)=O)=O

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

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