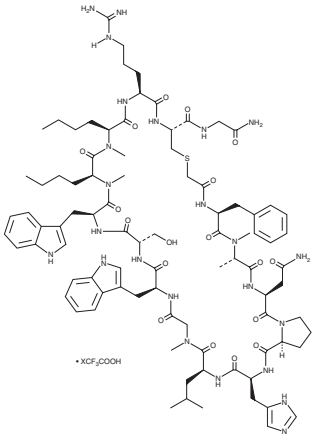
PRODUCT INFORMATION

PD-1/PD-L1 Inhibitor 3 (trifluoroacetate salt)

Item No. 36719



Formal Name: cyclic (1→14)-thioether N-(2-mercaptoacetyl)-L-phenylalanyl-N-methyl-L-alanyl-L-asparaginyl-L-prolyl-L-histidyl-L-leucyl-N-methylglycyl-L-tryptophyl-L-seryl-L-tryptophyl-N-methyl-L-norleucyl-N-methyl-L-norleucyl-L-arginyl-L-cysteinyl-glycinamide

Synonym: Programmed Cell Death 1/Programmed Cell Death-Ligand 1 Inhibitor 3

MF: $C_{89}H_{126}N_{24}O_{18}S \bullet XCF_3COOH$

FW: 1,852.2

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

PD-1/PD-L1 inhibitor 3 (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the PD-1/PD-L1 inhibitor 3 (trifluoroacetate salt) in 30% acetonitrile/water. We do not recommend storing the aqueous solution for more than one day.

Description

PD-1/PD-L1 inhibitor 3 is a macrocyclic peptide inhibitor of the protein-protein interaction between programmed cell death protein 1 (PD-1) and PD-1 ligand (PD-L1).[1] It inhibits the PD-1/PD-L1 interaction in a time-resolved FRET (TR-FRET) assay (IC_{50} = 9 nM).

Reference

1. Miller, M.M., Mapelli, C., Allen, P., *et al.* Macrocyclic inhibitors of the PD-1/PD-L1 and CD80(B7-1)/PD-L1 protein/protein interactions. *Bristol-Myers Squibb, Company* **US20140294898A1** (2017).

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