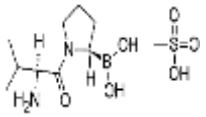
PRODUCT: Talabostat mesylate

ALTERNATE NAMES: (R)-1-((S)-2-amino-3-methylbutanoyl)pyrrolidin-2-ylboronic acid methanesulfonic acid ; PT-100; Val-boro-pro

CATALOG NUMBER: B2061-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{10}H_{23}BN_2O_6S$

MOLECULAR WEIGHT: 310.17

CAS NUMBER: 150080-09-4

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20 ℃. Protect from air and moisture

DESCRIPTION: Talabostat is a nonselective inhibitor of post-proline cleaving serine proteases. The inhibition of the highly related cytosolic serine proteases Dpp8 and Dpp9 (Dpp8/9) by Val-boroPro was recently demonstrated to trigger an immunostimulatory form of programmed cell death known as pyroptosis selectively in monocytes and macrophages. Talabostat induces powerful anti-tumor immune responses in syngeneic cancer models.

REFERENCES:

Okondo, M.C., *et al.* (2018*). Cell Chem. Biol.* **25,** 262-267.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Dipeptidylpeptidase IV, Human Plasma **(Cat. No. 4709-10)**
Dipeptidylpeptidase IV, Human Recombinant **(Cat. No. 4710-10, 50, 1000)**
Dipeptidylpeptidase IV Inhibitor, K 579 **(Cat. No. 1963-1, 5)**
Dipeptidylpeptidase IV Inhibitor, NVP DPP 728 **(Cat. No. 1964-1, 5)**
Diprotin A **(Cat. No. 2191-5, 25)**
Diprotin B **(Cat. No. 2192-5, 25)**
DiscoveryPak™ DPP-4 Inhibitors Set **(K890-5)**
DPP4 Activity Assay Kit **(Cat. No. K779-100)**
DPP4 Inhibitor Screening Kit **(Cat. No. K780-100)**
Linagliptin **(Cat. No. 2240-50, 250)**
MK-3102 **(Cat. No. 9599-1,5)**
Sitagliptin Phosphate Monohydrate **(Cat. No. 1757-100, 1G)**
Talabostat mesylate **(Cat. No. B2061-5,25)**
Teneligliptin **(Cat. No. B1932-10,50)**
Vlidagliptin **(Cat. No. 2188-10, 50)**

USAGE: ***FOR RESEARCH USE ONLY! Not to be used in humans***

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