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## Product Data Sheet

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Product Name: Balixafortide (POL6326)

Cat. No.: GC25120

### Chemical Properties

Cas. No. 1051366-32-5

Formula C<sub>84</sub>H<sub>118</sub>N<sub>24</sub>O<sub>21</sub>S<sub>2</sub>

M.Wt 1864.11

Solubility Water: 100 mg/mL (53.64 mM);

Storage Store at -20°C

**General tips** For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

**Shipping Condition** Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

**Structure**

### Background

Balixafortide (POL6326) is an orally bioavailable peptidic CXC chemokine receptor 4 (CXCR4) antagonist.

POL6326 enhances systolic function in a porcine closed-chest model of reperfused acute MI. POL6326 mobilizes Treg cells, enhances Treg cell recruitment to the infarct, attenuates tumor necrosis factor expression in monocytes and macrophages in the infarcted region, enhances infarct border-zone capillarization, reduces infarct scar size, and attenuates LV remodeling and systolic dysfunction in mice.[2]

[1] Darja Karpova, et al. J Transl Med. 2017 Jan 3;15(1):2. [2] Yong Wang, et al. Circulation. 2019 Apr 9;139(15):1798-1812.

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

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