BIO5192 hydrate

PRODUCT OVERVIEW

Product Name	BIO5192 hydrate, Biochemical
Full Product Name	BIO5192 hydrate
Product Gene Name	BIO5192 biochemical
Purity/Purification	98%
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	The combination of BIO5192 hydrate (1 mg/kg; i.v.) and Plerixafor (5 mg/kg; s.c.) exert an additive effect on progenitor mobilization[1].BIO5192 hydrate (30 mg/kg; s.c; bid; during days 5 through 14) delays paralysis associated with EAE (experimental autoimmune encephalomyelitis)[2].BIO5192 hydrate (1 mg/kg, i.v.) shows the terminal half-life is 1.1 hours. BIO5192 hydrate (3, 10, and 30 mg/kg; s.c.) shows half-lives of 1.7, 2.7, and 4.7 hours, respectively. The blood plasma curves show that the AUC for the s.c. route of administration increased about 2.5-fold from 5,460 h/ng/mL for the 3mg/kg dose to 14,175 h/ng/mL for the 30 mg/kg[1]. Animal Model: C57BL/6J x 129Sv/J F1 mice[1]
Related Product Information for BIO5192 biochemical	BIO5192 hydrate is a selective and potent integrin alpha4beta1 (VLA-4) inhibitor (Kd<10 pM). BIO5192 hydrate selectively binds to alpha4beta1 (IC50=1.8 nM) over a range of other integrins. BIO5192 hydrate results in a 30-fold increase in mobilization of murine hematopoietic stem and progenitors (HSPCs) over basal levels[1][2].
Other Notes	Small volumes of BIO5192 biochemical vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BIO5192 purchase	MBS5797470 is a biochemical targeting BIO5192. Also known as BIO5192 hydrate.



Structure of BIO5192 biochemical
Cecropin P1, porcine, CAS 125667-96-1



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For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/biochemical/bio5192-hydrate/5797470