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**Product Data Sheet**

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Product Name: 2R,4R-Sacubitril

Cat. No.: GC32645

**Chemical Properties**

Cas. No. 766480-48-2

SMILES [H]N(C(CCC(O)=O)=O)[C@@H](CC(C=C1)=CC=C1C2=CC=CC=C2)C[C@H](C(OCC)=O)CFormula C<sub>24</sub>H<sub>29</sub>NO<sub>5</sub>

M.Wt 411.49

Solubility DMSO : 100 mg/mL (243.02 mM; Need ultrasonic) 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**

2R,4R-Sacubitril is the impurity of Sacubitril. Sacubitril is approved by the Food and Drug Administration for use in combination with valsartan for the treatment of patients with heart failure.

[1]. Shi J, et al. Sacubitril Is Selectively Activated by Carboxylesterase 1 (CES1) in the Liver and the Activation Is Affected by CES1 Genetic Variation. Drug Metab Dispos. 2016 Apr;44(4):554-9.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA