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## Product Data Sheet

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Product Name: cis-Clopidogrel-MP derivative- $^{13}\text{C}$ , $\text{d}_3$

Cat. No.: GC68871

### Chemical Properties

Cas. No.

Formula  $^{13}\text{C}_24\text{H}_{23}\text{D}_3\text{ClNO}_6\text{S}$

M.Wt

508.01

Solubility

Storage

Store at  $-20^\circ\text{C}$

General tips

For obtaining a higher solubility, please warm the tube at  $37^\circ\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^\circ\text{C}$  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

cis-Clopidogrel-MP derivative- $^{13}\text{C}$ , $\text{d}_3$  is a  $^{13}\text{C}$  and deuterium labeled cis-Clopidogrel-MP derivative. cis-Clopidogrel-MP derivative is a 3'-methoxyacetophenone derivative of Clopidogrel active metabolite[1]. Clopidogrel is a well-known and orally active platelet inhibitor that targets P2Y<sub>12</sub> receptor[2].

[1]. Makoto Takahashi, et al. Quantitative determination of clopidogrel active metabolite in human plasma by LC-MS/MS. *J Chromatogr B*. 2008 Dec 1;48(4):1219-24.

[2]. Zongyu Zheng, et al. Clopidogrel Reduces Fibronectin Accumulation and Improves Diabetes-Induced Renal Fibrosis. *Int J Biol Sci*. 2019 Jan.

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

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