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**Product Data Sheet**

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Product Name: (Rac)-Dencichin

Cat. No.: GC34996

**Chemical Properties**

Cas. No. 7554-90-7

SMILES OC(C(N)CNC(C(O)=O)=O)=OFormula  $C_5H_8N_2O_5$ 

M.Wt

176.13

Solubility Soluble in DMSO

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**

(Rac)-Dencichin (2-Amino-3-(carboxyformamido)propanoic acid) is the racemate of Dencichin. Dencichin is a non-protein amino acid originally extracted from Panax notoginseng, and can inhibit HIF-prolyl hydroxylase-2 (PHD-2) activity[1].

[1]. Eslavath RK, et al.  $\beta$ -N-oxalyl-L- $\alpha$ ,  $\beta$ -diaminopropionic acid induces HRE expression by inhibiting HIF-prolyl hydroxylase-2 in normoxic conditions. Eur J Pharmacol. 2016 Nov 15;791:405-411.

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

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