

Product Data Sheet

Product Name: 2-(2-Chlorobenzamido)acetic acid

Cat. No.: GC79559

Chemical Properties

Cas. No. 16555-60-5

Formula $C_9H_8ClNO_3$

M.Wt 213.62

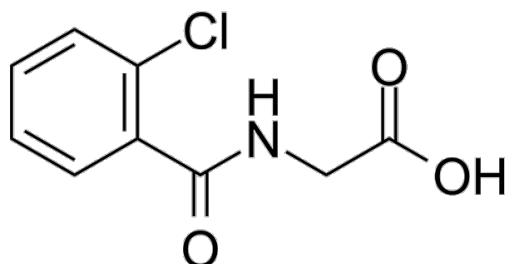
Solubility

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

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

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

Structure



Background

2-(2-Chlorobenzamido)acetic acid is an aldose reductase inhibitor with an IC_{50} of $31\text{ }\mu M$. 2-(2-Chlorobenzamido)acetic acid can be used for the research of chronic diabetes [1].

In Vitro, 2-(2-Chlorobenzamido)acetic acid (Compound 6h) inhibits cell-free partially purified aldose reductase (from rat lens) with an IC_{50} of $31\text{ }\mu M$ [1].

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

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References:

[1]. DeRuiter J, et al. Synthesis and in vitro aldose reductase inhibitory activity of compounds containing an N-acylglycine moiety. J Med Chem. 1989;32(5):1033-1038.

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