

Product Data Sheet

Product Name: PD-156707

Cat. No.: GC72942

Chemical Properties

Cas. No. 162412-70-6

Formula $C_{28}H_{25}NaO_9$

M.Wt 528.48

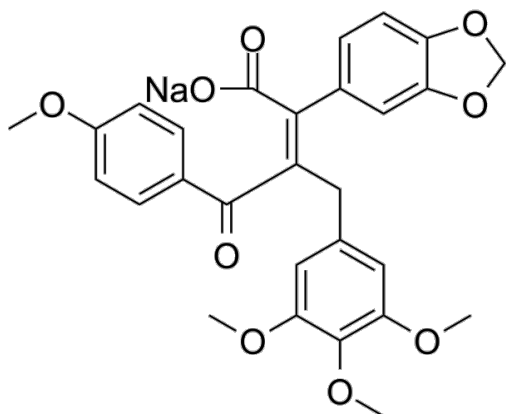
Solubility

Storage -20°C, protect from light, stored under nitrogen

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

PD-156707 is an orally active, nonpeptide and selective Endothelin-A receptor antagonist.

PD-156707 binds to human ETA receptors with an approximately 800-fold higher affinity than to human ETB receptors[1]. PD-156707 inhibits functional responses to ET-1, including inositol phosphate production in Ltk cells expressing recombinant human ETA receptors (IC₅₀ = 2.4 nM) and

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

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arachidonic acid release in rabbit renal artery VSMC cells ($IC_{50} = 1.1 \text{ nM}$)[1].

References:

[1]. Andrew C. G. Uprichard, et al. PD- 156707: A Selective Endothelin-A Receptor Antagonist. Cardiovascular Drug Reviews Vol. 16, No. 2, pp. 89-104. [2]. D P Ignasiak, et al. Effects of endothelin ETA receptor antagonism with PD 156707 on hemodynamics and renal vascular resistance in rabbits. Eur J Pharmacol. 1997 Mar 5;321(3):295-300.

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