
Product Data Sheet

Product Name: Aprocitentan D4

Cat. No.: GC68320

Chemical Properties

Cas. No.

Formula C₁₆H₁₀D₄Br₂N₆O₄S

M.Wt 550.22

Solubility DMSO : 25 mg/mL (45.44 mM; ultrasonic and warming and heat to 60°C)

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**

Aprocitentan D4 (ACT-132577 D4) is a deuterium labeled Aprocitentan. Aprocitentan is a major and pharmacologically active metabolite of Macitentan. Aprocitentan is dual **ETA/ETB** antagonist with **IC₅₀s** of 3.4 nM and 987 nM, and **pA₂** values of 6.7 and 5.5, respectively^[1].

[1]. Iglarz M, et al. Pharmacology of macitentan, an orally active tissue-targeting dual endothelin receptor antagonist. J Pharmacol Exp Ther. 2008 Dec;327(3):736-45.

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

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