

Product Data Sheet

Product Name: KS370G

Cat. No.: GC70399

Chemical Properties

Cas. No. 105955-01-9

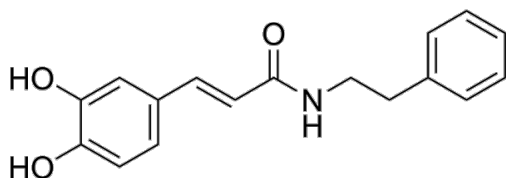
Formula $C_{17}H_{17}NO_3$ M.Wt 283.32

Solubility DMSO : 100 mg/mL (352.96 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

KS370G is an orally active hypoglycemic and cardiovascular protective agent. KS370G improves left ventricular hypertrophy and function in pressure-overload mice heart. KS370G reduces renal obstructive nephropathy.

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

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KS370G (1 mg/kg; oral; once daily for 8 weeks) improves left ventricular function and inhibited cardiac hypertrophy through the decrease of the phosphorylation of ERK, AKT and GSK3 β in pressure-overload mice heart^[1].

KS370G (10 mg/kg; oral; once daily for 13 days) attenuates unilateral ureteral obstruction-induced renal fibrosis by the reduction of inflammation and oxidative stress in mice^[2].

References:

[1]. Chuang ST, et al. KS370G, a caffeamide derivative, attenuates unilateral ureteral obstruction-induced renal fibrosis by the reduction of inflammation and oxidative stress in mice. Eur J Pharmacol. 2015 Mar 5;750:1-7.

[2]. Weng YC, et al. KS370G, a synthetic caffeamide derivative, improves left ventricular hypertrophy and function in pressure-overload mice heart. Eur J Pharmacol. 2012 Jun 5;684(1-3):108-15.

[3]. Chuang ST, et al. KS370G, a caffeamide derivative, attenuates unilateral ureteral obstruction-induced renal fibrosis by the reduction of inflammation and oxidative stress in mice. Eur J Pharmacol. 2015 Mar 5;750:1-7.

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