
Product Data Sheet

Product Name: Y-27152
Cat. No.: GC16690

Chemical Properties

Cas. No. 127408-30-4

Chemical Name N-(benzyloxy)-N-((3S,4R)-6-cyano-3-hydroxy-2,2-dimethylchroman-4-yl)acetamide

SMILES O[C@@H]1C(C)(C)OC2=C(C=C(C#N)C=C2)[C@H]1N(C(C)=O)OCC3=CC=CC=C3

Formula $C_{21}H_{22}N_2O_4$ M.Wt 366.41

Solubility <9.16mg/ml in DMSO Storage Store at RT

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

Y-27152, a prodrug of the KATP (Kir6) channel opener Y-26763, is a long-acting K⁺ channel opener with less tachycardia: antihypertensive effects in hypertensive rats and dogs in conscious state[1][2].

References:

- [1]. Nakajima T, et al. Y-27152, a long-acting K⁺ channel opener with less tachycardia: antihypertensive effects in hypertensive rats and dogs in conscious state. J Pharmacol Exp Ther. 1992 May;261(2):730-6.
- [2]. Fukunari A, et al. Y-26763 protects the canine heart from a stunning injury through opening of the KATP channels. Eur J Pharmacol. 1997 Apr 4;323(2-3):197-204.

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

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