
Product Data Sheet

Product Name: Sovesudil hydrochloride

Cat. No.: GC63716

Chemical Properties

Cas. No. 2984963-50-8

Formula $C_{23}H_{23}ClFN_3O_3$

M.Wt 443.9

Solubility DMSO : 62.5 mg/mL (140.80 mM; ultrasonic and warming and heat to 60°C)

Storage 4°C, away from moisture

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

Sovesudil (PHP-201) hydrochloride is a potent, ATP-competitive, locally acting Rho kinase (ROCK) inhibitor with IC50s of 3.7 and 2.3 nM for ROCK-I and ROCK-II, respectively. Sovesudil hydrochloride lowers intraocular pressure (IOP) without inducing hyperemia[1] [2].

Sovesudil (PHP-201) (1 μM; 60 min) hydrochloride is able to induce altered cellular behavior of human trabecular meshwork (HTM) cells[1].

Sovesudil (0.1%, 0.3%, and 0.5%; male New Zealand White rabbits) hydrochloride effectively reduces Intraocular Pressure (IOP) in ocular normotensive and acute hypertensive rabbits without causing distinct hyperemia[1].

[1]. Van de Velde S, et al. AMA0076, a novel, locally acting Rho kinase inhibitor, potently lowers intraocular pressure in New Zealand white rabbits with minimal hyperemia. Invest Ophthalmol Vis Sci. 2014;55(2):1006-1016. Published 2014 Feb 18. [2]. Ha A, et al. Sovesudil (locally acting rho kinase inhibitor) for the treatment of normal-tension glaucoma: the randomized phase II study [published online ahead of print, 2021 Jul 28]. Acta Ophthalmol. 2021;10.1111/aos.14949.

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

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