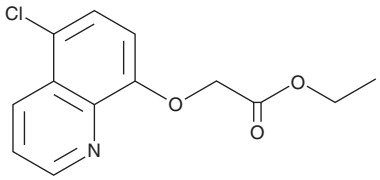
PRODUCT INFORMATION

A2793

Item No. 41081

CAS Registry No.: 88349-90-0
Formal Name: 2-[(5-chloro-8-quinolinyl)oxy]-acetic acid, ethyl ester
MF: $C_{13}H_{12}ClNO_3$
FW: 265.7
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

A2793 is supplied as a solid. A stock solution may be made by dissolving the A2793 in the solvent of choice, which should be purged with an inert gas. A2793 is slightly soluble (0.1-1 mg/ml) in ethanol.

Description

A2793 is an inhibitor of the two-pore domain potassium channel K_{2P}18.1/TRESK (IC_{50} = 6.8 µM in ionomycin-stimulated *Xenopus* oocytes expressing the mouse receptor).[1] It is selective for K_{2P}18.1/TRESK over K_{2P}2.1/TREK1, K_{2P}10.1/TREK2, K_{2P}4.1/TRAAK, K_{2P}3.2/TASK2, K_{2P}3.3/TASK3, K_{2P}16.1/TALK1, and K_{2P}13.1/THIK1 at 100 µM but does inhibit K_{2P}3.1/TASK1.

Reference

1. Lengyel, M., Erdélyi, F., Pergel, E., *et al.* Chemically modified derivatives of the activator compound cloxyquin exert inhibitory effect on TRESK (K_{2P}18.1) background potassium channel. *Mol. Pharmacol.* **95(6),** 652-660 (2019).

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