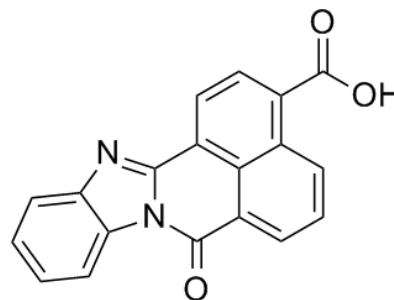


Product Name : STO-609
Cat. No. : PC-45723
CAS No. : 52029-86-4
Molecular Formula : C₁₉H₁₀N₂O₃
Molecular Weight : 314.2943
Target : CaMK
Solubility :



Biological Activity

STO-609 is a selective and cell-permeable inhibitor of CaM-KK; inhibits recombinant CaM-KK α and CaM-KK β with K_i of 80 and 15 ng/ml; without any significant effect on the downstream CaM kinases (CaM-KI and -IV, IC₅₀ >10 μ g); suppresses the Ca(2+)-induced activation of CaM-KIV in a dose-dependent manner in transfected HeLa cells; significantly reduces the endogenous activity of CaM-KK in SH-SY5Y neuroblastoma cells (1 μ g/ml, 80% inhibition).

References

- Tokumitsu H, et al. J Biol Chem. 2002 May 3;277(18):15813-8.
Fujiwara Y, et al. Biochemistry. 2015 Jun 30;54(25):3969-77.
Lin F, et al. Hepatology. 2015 Aug;62(2):505-20.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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