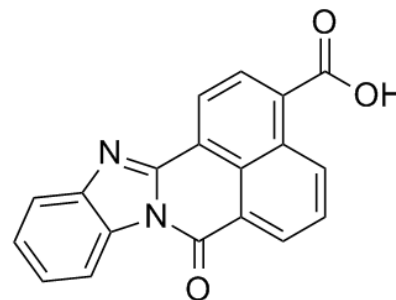


**Product Name** : STO-609  
**Cat. No.** : PC-45723  
**CAS No.** : 52029-86-4  
**Molecular Formula** : C<sub>19</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 314.2943  
**Target** : CaMK  
**Solubility** :



### Biological Activity

STO-609 is a selective and cell-permeable inhibitor of **CaMKKbeta**, inhibits recombinant CaM-KK $\alpha$  and CaM-KK $\beta$  with Ki of 80 and 15 ng/ml.

STO-609 shows no any significant effect on the downstream CaM kinases (CaM-KI and -IV, IC<sub>50</sub> >10  $\mu$ g).

STO-609 suppresses the Ca(2+)-induced activation of CaM-KIV in a dose-dependent manner in transfected HeLa cells.

STO-609 significantly reduces the endogenous activity of CaM-KK in SH-SY5Y neuroblastoma cells (1  $\mu$ 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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