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# Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

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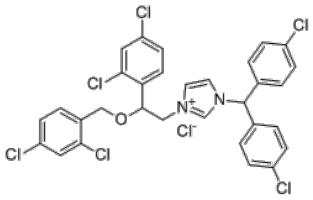
|---|---|---|
| **Product Name** | : | TK106 |
| **Cat. No.** | : | PC-49318 |
| **CAS No.** | : | 57265-65-3 |
| **Molecular Formula** | : | $C_{31}H_{23}Cl_7N_2O$ |
| **Molecular Weight** | : | 687.688 |
| **Target** | : | Other Targets |
| **Solubility** | : | 10 mM in DMSO |



## Biological Activity

TK106 (Calmidazolium chloride) is a small molecule non-competitive inhibitor of **hSARM1** with IC50 of 10.8 uM, induces and promotes the formation of SARM1 octamers, also binds to **calmodulin** with a Kd of 3 nM.
TK106 (Calmidazolium chloride) also is a **calmodulin** antagonist, antagonizing CaM-dependent phosphodiesterase and calmodulin-induced activation of erythrocyte Ca2+-transporting ATPase with IC50s of 0.15 and 0.35 μM, respectively.

## References

Tami Khazma, et al. A Duplex Structure of SARM1 Octamers Induced by a New Inhibitor.
2. Budu A, et al. Cell Signal. 2016 Mar;28(3):125-135.

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

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