

| Catalog      | Unit  |
|--------------|-------|
| TBI3579-5MG  | 5 mg  |
| TBI3579-25MG | 25 mg |

### Product Details

**Formal Name:** 6-[2-[4-[(4-Fluorophenyl)phenylmethylene]-1-piperidinyl]ethyl]-7-methyl-5H-thiazolo[3,2-a]pyrimidin-5-one

**Alternate Names:** Diacylglycerol kinase inhibitor i

**Molecular Formula:** C<sub>27</sub>H<sub>26</sub>FN<sub>3</sub>OS

**Formula Weight:** 459.6

**CAS Number:** 93076-89-2

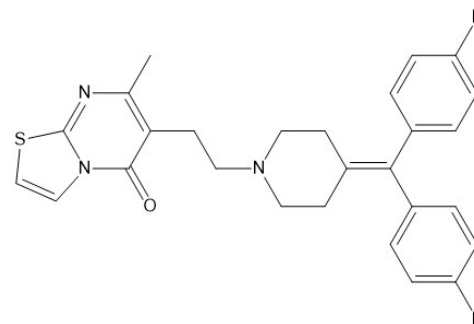
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

DAG kinase inhibitor

### Functions

R-59022 is a diacylglycerol kinase (DAGK) inhibitor, nonselective for DAGK isotypes (IC<sub>50</sub>=2.8 μM in intact platelets). Induces autophagy and apoptosis in NG108-15 neuronal cells via an mTOR-independent mechanism. Prevents conjugated linoleic acid-mediated inflammatory signaling and insulin resistance in human adipocytes. Blocks filovirus internalization in host cells.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**