

KT-5823, PKG inhibitor

Catalog	Unit
TBI2083 – 100UG	100 µg
TBI2083 – 500UG	500 µg

Product Details

Molecular Formula: C₂₉H₂₅N₃O₅

Formula Weight: 495.50

CAS Number: 126643-37-6

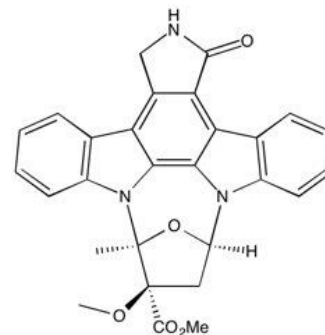
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in DMF (up to 20 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

PKG inhibitor

Functions

KT5823 (126643-37-6) is a selective protein kinase G inhibitor ($K_{>i}$ = 0.23, 4 and >10 µM for PKG, PKC and PKA respectively). Arrests human skin fibroblast cell cycle after the G₀/G₁ boundary. KT5823 abolishes the cGMP-induced relaxation in smooth muscle cells (IC₅₀=60 nM). Cell permeable.

Application Procedures

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

For research use only.