

Rac1 Inhibitor - CAS 1177865-17-6 - Calbiochem Rac1 Inhibitor, CAS 1177865-17-6, is a cell-permeable, reversible inhibitor of Rac1 GDP/GTP exchange. Interferes with the interaction between Rac1 and Rac-specific GEFs Trio and Tiam1 (IC₅₀ ~50 µM).

Art. ID SAF-553502-10MG
Unit 1 x 10 mg
Deliverydetails No Dangerous Good /not restricted

Description

A cell-permeable pyrimidine compound that specifically and reversibly inhibits Rac1 GDP/GTP exchange activity by interfering with the interaction between Rac1 and Rac-specific GEFs (guanine nucleotide exchange factors) Trio and Tiam1 (IC₅₀ ~50 µM). Shown to effectively inhibit Rac1-mediated cellular functions in NIH3T3 and PC-3 cells (effective dose ~50 to 100 µM). Exhibits no effect on Cdc42 or RhoA activation and does not affect Rac1 interaction with BcrGAP or PAK1. Reduces TRAP-induced and collagen stimulated platelet aggregation (IC₅₀ = 50 µM and 64 µM, respectively).

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|---------------------------|----------------|---------------------|------|--------|--------|
| | NSC23766 trihydrochloride | [1177865-17-6] | | | | |