

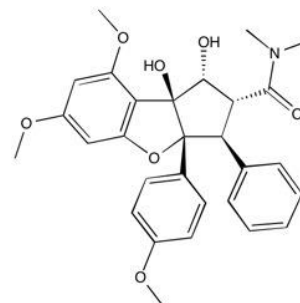
## Rocaglamide, TNF $\alpha$ inhibitor

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Catalog	Unit
TBI2484-100UG	100 ug
TBI2484-500UG	500 ug

### Product Details

**Alternate Names:** RocA  
**Molecular Formula:** C<sub>29</sub>H<sub>31</sub>NO<sub>7</sub>  
**Formula Weight:** 505.60  
**CAS Number:** 84573-16-0  
**Purity:** >97%  
**Formulation:** powder  
**Solubility:** Soluble in DMSO  
**Storage:** -20°C  
**Stability:**  $\geq$  2 years.



### Applications

TNF $\alpha$  inhibitor

### Functions

Potent inhibitor of NF $\kappa$ B in T-lymphocytes with almost complete inhibition at 200 nM. Completely inhibits IL-4 and IFN- $\gamma$  production and suppresses IL-2 and TNF- $\alpha$  production at 50 nM in T-cells, without inhibiting AP-1 and NF- $\kappa$ B. Immunosuppressive activity is due to inhibition of cytokine gene expression via blocking NF-AT activity. Has anti-cancer properties via various pathways including ERK inhibition, ATM/ATR-Chk1/Chk2 activation, and p38 and JNK activation.

### Application Procedures

First dissolved in DMSO, then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

**For research use only.**