

U-46619

TX A₂ Stable Synthetic Analog

Catalog No. 107462

The Better Choice

U-46619 is a stable analog of the endoperoxide prostaglandin H₂, and a TP receptor agonist. It exhibits properties similar to Thromboxane A₂ (TX A₂).



Net Contents: 1.0 mg

**A Stable
and
Specific
Reagent**

- **Activates TP Receptor**
- **Controls Positive Feedback in Activation and Recruitment of Platelets**
- **Enhances Aggregation by way of other GPCR Receptors**
- **Stimulates AA / TX A₂ Production and ADP Secretion**
- **Works on Multiple Species**
- **Induces Acute Pulmonary Hypertension in Animal Models**

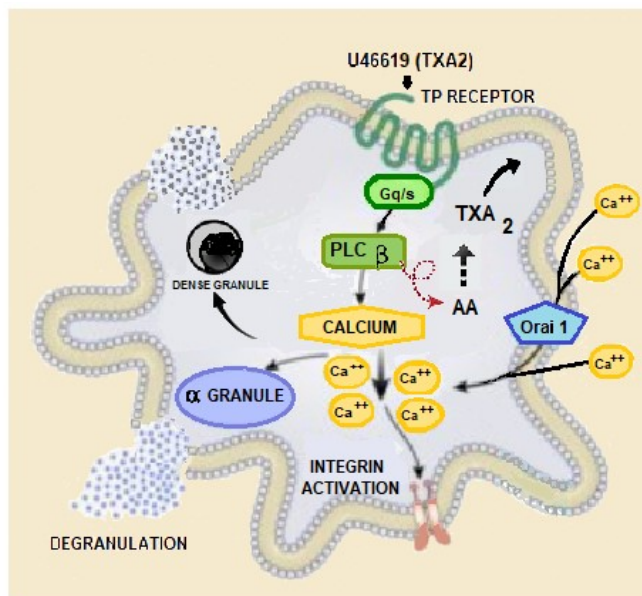
**Broaden Your Investigation
with U-46619**

Suggested for use along with routine agonists for platelet function studies by British Committee for Standards in Haematology and the International Society for Laboratory Hematology. Reported to assess strong P2Y₁₂ inhibition independently from Aspirin inhibition. U-46619 can measure the relationship between P2Y₁₂ antagonist and uninhibited platelets.



RESEARCH USE ONLY

Basic Pathways for U-46619 Platelet Activation



Selected Study Applications:

- Inside-Out Signaling Studies
- Platelet Activation
- Platelet Recruitment
- Drug Discovery / Efficacy
- Receptor Deficiencies
- Detecting Increased Platelet Re-Activity
- Activation and Secretion
- Cell Recruitment Mechanisms
- De-Granulation

Reported Non-Hemostatic Applications:

- Regulation of Protein Function
- Acute Pulmonary Hypertension—Induction
- Vascular Biology - Contraction of Smooth Muscle