

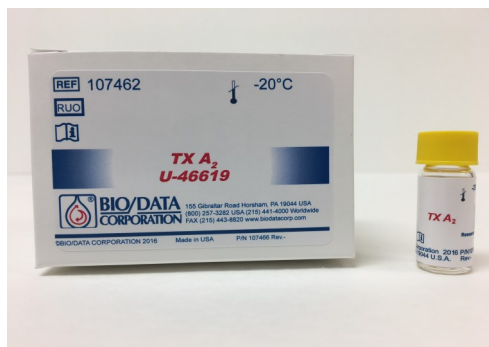
# U-46619

## TX A<sub>2</sub> Stable Synthetic Analog

Catalog No. 107462

### The Better Choice

**U-46619** is a stable analog of the endoperoxide prostaglandin H<sub>2</sub>, and a TP receptor agonist. It exhibits properties similar to Thromboxane A<sub>2</sub> (TX A<sub>2</sub>).



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 A<sub>2</sub> Production and ADP Secretion
- **Works** on Multiple Species
- **Induces** Acute Pulmonary Hypertension in Animal Models

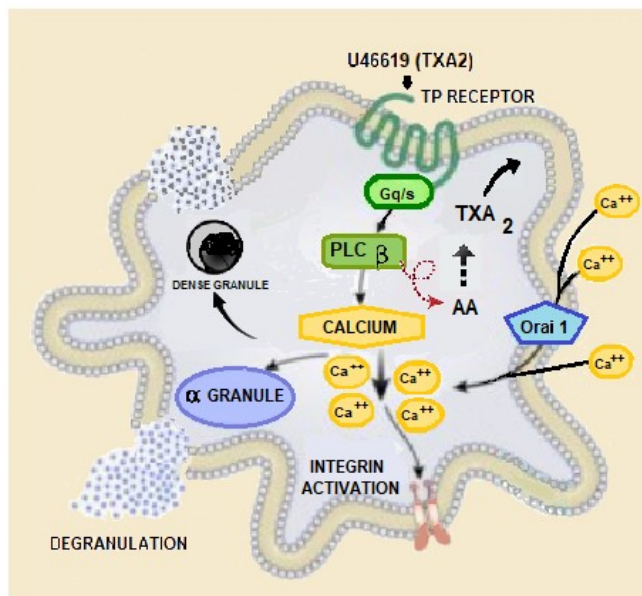
**Broaden Your Investigation  
with U-46619**

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 P2Y<sub>12</sub> inhibition independently from Aspirin inhibition. U-46619 can measure the relationship between P2Y<sub>12</sub> 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



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