

## Eltrombopag (SB-497115-GR)

Cat. No. CEI-0364

Lot. No. (See product label)

### Introduction

#### Description

Eltrombopag (SB-497115-GR, Promacta, Revolade) is a small molecule agonist of the c-mpl (TpoR) receptor with an IC<sub>50</sub> of 0.69  $\mu$ M for the inhibition of hERG K<sup>+</sup> channel tail current. In preclinical studies, the compound was shown to interact selectively with the thrombopoietin receptor, leading to activation of the JAK-STAT signaling pathway and increased proliferation and differentiation of megakaryocytes. Animal studies confirmed that administration could increase platelet counts.

#### Synonyms

SB-497115-GR, Revolade, Promacta

### Product Information

#### CAS No.

496775-61-2

#### Molecular Formula

C<sub>25</sub>H<sub>22</sub>N<sub>4</sub>O<sub>4</sub>

#### Chemical Name

3-[(5E)-5-[[2-(3, 4-dimethylphenyl)-5-methyl-3-oxo-1H-pyrazol-4-yl]hydrazinylidene]-6-oxocyclohexa-1,3-dien-1-yl]benzoic acid

#### Molecular Weight

442.47

#### Purity

>99%

#### Targets

thrombopoietin receptor

### Storage and Shipping Information

#### Storage

2 years at -20centigrade Powder