

## Imiquimod

Cat. No. LIGC-006

Lot. No. (See product label)

### Introduction

#### Description

Imiquimod is a caspase 3 activator, which directly induces procaspase 3 cleavage to active caspase 3. Imiquimod induces apoptosis in vivo in basal cell carcinoma. Its anti-tumor activity is related to the induction of apoptosis. Imiquimod has anti-angiogenic, anti-inflammatory, anti-viral activities. Imiquimod also acts as an immune response modulator inducing the secretion of various cytokines and chemokines.

#### Applications

An immune response modifier. It stimulates the production of interferon- $\alpha$ .

#### Synonyms

Aldara; Beselna; R-837; TMX 101; Zyclara

### Product Information

#### Appearance

Off-White Solid

#### CAS No.

99011-02-6

#### Molecular Formula

C<sub>14</sub>H<sub>16</sub>N<sub>4</sub>

#### Molecular Weight

240.3

#### Purity

>95 %

#### Melting Point

292-294°C

#### Solubility

Soluble to 5 mM in DMSO with gentle warming

### Storage and Shipping Information

#### Storage

Store at -20°C.

#### Stability

Stable for at least 2 years when stored at -20°C.