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## Product Data Sheet

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Product Name: BMS641  
Cat. No.: GC68781

### Chemical Properties

Cas. No. 369364-50-1

Formula  $C_{27}H_{23}ClO_2$  M.Wt 414.92

Solubility DMSO : 8.33 mg/mL (20.08 mM; Need ultrasonic) Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

BMS641 (BMS-209641) is a selective **RAR $\beta$**  agonist. BMS641 has a higher affinity for RAR $\beta$  ( $K_d$ , 2.5 nM) that is 100 times higher than that for RAR $\alpha$  ( $K_d$ , 225 nM) or RAR $\gamma$  ( $K_d$ , 223 nM)<sup>[1]</sup>.

[1]. Germain P, et al. Rational design of RAR-selective ligands revealed by RARbeta crystal structure. EMBO Rep. 2004;5(9):877-882.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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