

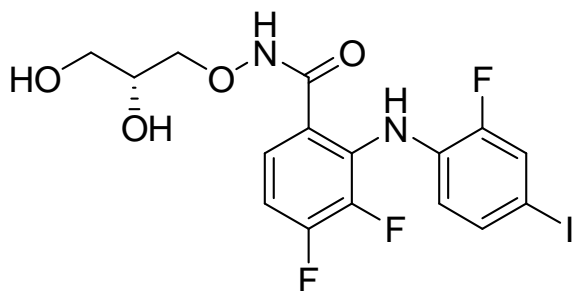
SYMANSIS™

Product Data  
Sheet

Compound Name

PD0325901

## Structure



CAS Number

[391210-10-9]

Chemical  
Formula: $C_{16}H_{14}F_3IN_2O_4$ Molecular  
Weight:

482.19

## Background information

Mode of Action

MEK inhibitors

Predominant Target(s)

MAPK kinase 1

Published Activity

Has potent inhibitory effects on thyroid cancer cells

Development stage

Clinical Trial

## References

1. *Noninvasive imaging of cell proliferation following mitogenic extracellular kinase inhibition by PD0325901.* Leyton J, Smith G, Lees M, Perumal M, Nguyen QD, Aigbirhio FI, Golovko O, He Q, Workman P, Aboagye EO. **Mol. Cancer Ther.** 7(9), 3112-3121 (2008).
2. *Potent inhibition of thyroid cancer cells by the MEK inhibitor PD0325901 and its potentiation by suppression of the PI3K and NF-kappaB pathways.* Liu D, Xing M. **Thyroid.** 18(8), 853-864 (2008).