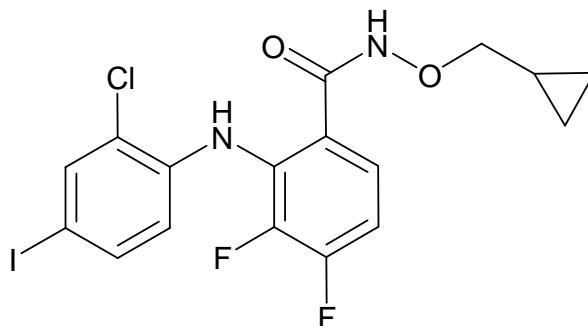


SYMANSIS™

**Product Data Sheet****Compound Name****CI-1040****Structure****CAS Number**

[212631-79-3]

**Chemical Formula:**C<sub>17</sub>H<sub>14</sub>ClF<sub>2</sub>IN<sub>2</sub>O<sub>2</sub>**Molecular Weight:**

478.67

**Background information**

Mode of Action

Kinase inhibitor

Predominant Target(s)

MEK 1(MKK 1), MKK5

Published Activity

Inhibitor the Proliferation and Tumour Growth of Thyroid Cancer Cells with *BRAF* or *RAS* Mutations

Development stage

Research

**References**

1. *The MEK inhibitor PD184352/CI-1040 selectively induces apoptosis in malignant schwannoma cell lines.* Raymond R Mattingly, Janice M Kraniak, Joshua T Dilworth, Patricia Mathieu, Beverly Bealmeare, James E Nowak, Joyce A Benjamins, Michael A Tainsky, John J. Reiners, Jr. **J. Pharmacol. Exp. Ther.** **2006**, **316**, **456-465.**
2. *Inhibitory Effects of the Mitogen-Activated Protein Kinase Kinase Inhibitor CI-1040 on the Proliferation and Tumour Growth of Thyroid Cancer Cells with BRAF or RAS Mutations.* Dingxie Liu, Zhi Liu, David Jiang, Alan P. Dackiw and Mingzhao Xing **J. Clin. Endocrinol. & Meta.** **2007**, **92 (12)**, **4686-4695.**