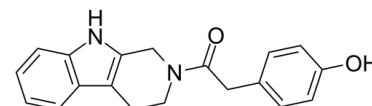


## Data Sheet

<b>Product Name:</b>	YH-306
<b>Cat. No.:</b>	CS-0077211
<b>CAS No.:</b>	1373764-75-0
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	306.36
<b>Target:</b>	Apoptosis; FAK; MMP; PI3K; Src
<b>Pathway:</b>	Apoptosis; Metabolic Enzyme/Protease; PI3K/Akt/mTOR; Protein Tyrosine Kinase/RTK
<b>Solubility:</b>	DMSO : 20 mg/mL (65.28 mM; ultrasonic and adjust pH to 1 with HCl)



### BIOLOGICAL ACTIVITY:

YH-306 is an antitumor agent. YH-306 suppresses colorectal tumour growth and metastasis via **FAK** pathway. YH-306 significantly inhibits the migration and invasion of colorectal cancer cells. YH-306 potently suppresses uninhibited proliferation and induces cell **apoptosis**. YH-306 suppresses the activation of FAK, c-Src, paxillin, and PI3K, Rac1 and the expression of MMP2 and MMP9. YH-306 also inhibits actin-related protein (Arp2/3) complex-mediated actin polymerization<sup>[1]</sup>.

### References:

[1]. Dai F, et al. A novel synthetic small molecule YH-306 suppresses colorectal tumour growth and metastasis via FAK pathway. J Cell Mol Med. 2015 Feb;19(2):383-95.

### CAIndexNames:

Ethanone, 2-(4-hydroxyphenyl)-1-(1,3,4,9-tetrahydro-2H-pyrido[3,4-b]indol-2-yl)-

### SMILES:

OC1=CC=C(C(=C1)CC(N2CC(NC3=C4C=CC=C3)=C4CC2)=O

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA