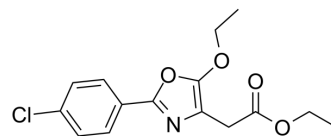


## Y-9738

|                           |   |
|---------------------------|---|
| <b>Cat. No.:</b>          | HY-100258   |
| <b>CAS No.:</b>           | 59399-41-6  |
| <b>Molecular Formula:</b> | C <sub>15</sub> H <sub>16</sub> ClNO <sub>4</sub>   |
| <b>Molecular Weight:</b>  | 309.74  |
| <b>Target:</b>            | Others  |
| <b>Pathway:</b>           | Others  |
| <b>Storage:</b>           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                    |   |
|--------------------|---|
| <b>Description</b> | Y-9738 is a hypolipidemic agent.  |
| <b>In Vivo</b>     | <p>Y-9738 is a hypolipidemic agent. At 100 mg/kg Y-9738 lowers the cholesterol level by 36% and clearly diminishes the intensity of the <math>\beta</math>-lipoprotein band with a tendency for the <math>\alpha</math>-lipoprotein band to be intensified. Y-9738 causes a dose-dependent decrease in serum cholesterol, triglyceride and heparin-precipitable <math>\beta</math>-lipoprotein cholesterol. Furthermore, Y-9738 reduces the intensity of the <math>\beta</math>-lipoprotein band shown by electrophoresis, and increases that of the <math>\alpha</math>-lipoprotein band [1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> |

### PROTOCOL

|                                  |   |
|----------------------------------|---|
| <b>Animal Administration</b> [1] | <p>Male Sprague-Dawley rats are used in this work. Rats (140 to 180 g) are fed a high cholesterol diet for 10 days. This diet contains 1% cholesterol, 0.2% sodium cholate and 5% olive oil. Y-9738 is orally administered to the animals once a day throughout the experimental period. All animals are starved overnight (about 20 h) after the last treatment and sacrificed by carotid incision. Blood and liver are collected for lipid analysis [1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> |
|----------------------------------|---|

### REFERENCES

[1]. Kobayakawa T, et al. Experimental hyper-beta-lipoproteinemia and its amelioration by a novel hypolipidemic agent. *Atherosclerosis*. 1978 Jul;30(3):219-25.

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

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