


Data Sheet

Product Information

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| Catalog Number | BP13593 |
| Product Name | YM-46303 |
| Description | YM-46303 is an antagonist of mAChR |
| In vivo | <p>Compared with oxybutynin, YM-46303 showed about 10 times higher inhibitory activity on bladder pressure during reflex rhythmic contractions, and increased selectivity of bladder contraction about saliva secretion in rats by about 5 times. Further evaluation of antimuscarinic effects on bradycardia and pressor in pithed rats, and on tremor in mice, show that YM-46303 can be useful for the treatment of urinary urge incontinence as a bladder-selective M3 antagonist with potent activities and fewer side effects. YM-46303 shows in vivo selective inhibitory activities on bladder pressure in reflexly-evoked rhythmic contraction against oxotremorine-induced salivary secretion. In addition, YM-46303 has potent activity in a guinea pig model of methacholine-induced bronchospasm on intravenous administration.</p> |
| CAS No. | 171722-81-9 |
| Chemical Formula | C ₂₀ H ₂₃ ClN ₂ O ₂ |
| Molecular Weight | 358.87 |
| Solubility | |
| Storage | Powder: -20°C for 2 years In solvent: -80°C for 1 year |
| Chemical Structure OR Tested Image |  |

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