
Product Data Sheet

Product Name: AT 1001
Cat. No.: GB40105

Chemical Properties

Cas. No. 1314801-63-2

Formula $C_{15}H_{21}BrN_2$ M.Wt 309.24

Solubility Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

High affinity and selective $\alpha 3\beta 4$ nAChR ligand (K_i value 2.6 nM at $\alpha 3\beta 4$ nAChR) with both partial agonistic and antagonistic effects, and >90-fold selective over the other major subtypes, the $\alpha 4\beta 2$ and $\alpha 7$ nAChR. AT-1001 potently and dose-dependently blocks nicotine self-administration in rats, without affecting food responding, and shows a mechanism of action very different from varenicline (Varenicline dihydrochloride (HCl salt) and AT 1001 (tartrate salt)).

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

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