

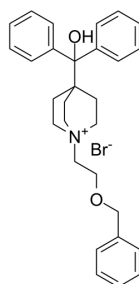
## Umeclidinium (bromide)

Cat. No.:	HY-12100
CAS No.:	869113-09-7
Batch No.:	23392
Chemical Name:	1-Azoniabicyclo[2.2.2]octane, 4-(hydroxydiphenylmethyl)-1-[2-(phenylmethoxy)ethyl]-, bromide (1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>29</sub> H <sub>34</sub> BrNO <sub>2</sub>		
Molecular Weight:	508.49		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

### Chemical Structure:



### ANALYTICAL DATA

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (LCMS):	99.72%
Conclusion:	The product has been tested and complies with the given specifications.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

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