

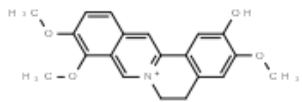
## Certificate of Analysis

Target	Inhibitors & Agonists>>Others>>Other Targets
Cat.No	DCF-029
Name	Columbamine

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## Chemical Properties

CAS	3621-36-1
Formula	[C <sub>20</sub> H <sub>20</sub> NO <sub>4</sub> ] <sup>+</sup>
MW	338.38
Storage	4°C for 1 year, -20°C for more than 2 years
Structure	 <p>The chemical structure of Columbamine is a complex polycyclic alkaloid. It features a central piperidine ring system fused to two benzene rings. The left benzene ring has two methoxy groups (-OCH<sub>3</sub>) at the 2 and 6 positions. The right benzene ring has a hydroxyl group (-OH) at the 2 position and a methoxy group (-OCH<sub>3</sub>) at the 6 position. The nitrogen atom in the piperidine ring is positively charged (N<sup>+</sup>).</p>
Purity	>98%, Standard References Grade

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www.dcchemicals.com