

### AMMC iodide ab285378

#### Overview

<b>Product name</b>	AMMC iodide
<b>Description</b>	Human cytochrome P450 CYP2D6 isozyme substrate
<b>Biological description</b>	AMMC iodide is a useful substrate for the human cytochrome P450 CYP2D6 isozyme. It is demethylated to the fluorescent product 3-[2-(N,N-diethyl-N-methyl ammonium)ethyl]-7-hydroxy-4-methylcoumarin (AMHC). After the AMMC is hydrolyzed, the pH is increased by addition of base for optimal fluorescence detection. AMMC has been used with human liver microsomes to determine CYP2D6 activity and inhibition.
<b>Purity</b>	> 98%
<b>General notes</b>	This product is manufactured by BioVision, an Abcam company and was previously called 2873 AMMC iodide. 2873-5 is the same size as the 5 mg size of ab285378.  Protect from air and light.
<b>CAS Number</b>	256234-27-2

#### Properties

<b>Chemical name</b>	diethyl-[2-(7-methoxy-4-methyl-2-oxochromen-3-yl)ethyl]-methylazanium;iodide
<b>Molecular weight</b>	431.30
<b>Molecular formula</b>	C <sub>18</sub> H <sub>26</sub> INO <sub>3</sub>
<b>PubChem identifier</b>	15487105
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C long term. Store In the Dark. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.
<b>Solubility overview</b>	Acetonitrile
<b>Handling</b>	Refer to SDS for further information.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	<chem>CC[N+](C)(CC)CCC1=C(C2=C(C=C(C=C2)OC)OC1=O)C.[I-]</chem>
<b>Source</b>	Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team