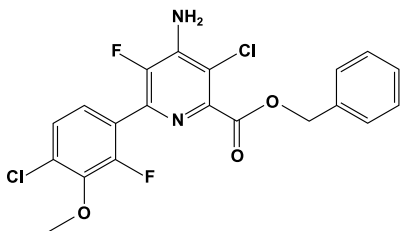


# RINSKOR™ ACTIVE CHEMICAL PROPERTIES

Rinskor™ active belongs to the synthetic auxins group.

Rinskor™ active belongs to the synthetic auxins or growth regulators chemical group (HRAC Group O / WSSA Class 4). However, Rinskor is unique because it binds preferentially to different auxin receptors as compared to other auxin types (e.g. 2,4-D and MCPA).



## Description of Chemistry

Common name	Florpyrauxifen-benzyl
Trade name	Rinskor™ active
Code names tested	DE-848 BE, XDE-848 BE, XDE-848 benzyl, XR-848
Chemical family	Arypicolinate
Chemical name (IUPAC)	benzyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-5-fluoropyridine-2-carboxylate
CAS No	1390661-72-9
Empirical formula	C <sub>20</sub> H <sub>14</sub> Cl <sub>2</sub> F <sub>2</sub> N <sub>2</sub> O <sub>3</sub>
Molecular weight	439.24
Melting point	137.07°C
Flammability	Not flammable
Explosive properties	Not explosive
Vapor pressure	3.2 x 10 <sup>-5</sup> Pa at 20°C
Octanol/water partition co-efficient (Log pow)	5.5 at pH 7 and 10
Solubility in water	0.015 mg/L at 20°C
Half-life in water	0.07 days (summer sunlight at 40°N latitude)



**Dow AgroSciences**

*Solutions for the Growing World*

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow. Rinskor™ active registrations are pending in several countries around the world. See the country-specific information on this site. Always read and follow label instructions.