



## Evaluation Report for Category B, Subcategory 1.2 Application

**Application Number:** 2010-6058  
**Application:** New Source of a Technical Grade Active Ingredient by a New Registrant  
**Product:** Clodinafop-propargyl Sinon Technical Active Ingredient  
**Registration Number:** 30218  
**Active ingredients (a.i.):** Clodinafop-propargyl  
**PMRA Document Number English PDF:** 2081888

### Background

The source of clodinafop-propargyl used to determine chemical equivalence was Registration Number 24066.

### Purpose of Application

The purpose of this application was to register a new source of the active ingredient, clodinafop-propargyl, by a different Registrant.

### Chemistry Assessment

Common Name: Clodinafop-propargyl  
Chemical Name: prop-2-ynyl(R)-2-[4-(5-chloro-3-fluoro-2-pyridyloxy)phenoxy]propionate  
OR  
2-propynyl(2R)-2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]propanoate

Clodinafop-propargyl Sinon Technical Active Ingredient has the following properties:

Property	Result
Colour and Physical state	Light brown powder
Odour	Odourless
Density at 22°C	0.5713 g/mL at 20 °C
Solubility in water	pH 4: 0.00150 g/L pH 7: 0.00068 g/L pH 9: 0.00059 g/L
Vapour pressure	$3.19 \times 10^{-3}$ mPa at 25°C
Octanol/water partition coefficient	logP <sub>ow</sub> = 3.51 at pH 4 at 25°C logP <sub>ow</sub> = 3.59 at pH 7 at 25°C logP <sub>ow</sub> = 3.57 at pH 9 at 25°C

The chemistry requirements for Clodinafop-propargyl Sinon Technical Active Ingredient have been completed.

### Health and Environmental Assessment

As the new source of clodinafop-propargyl is chemically equivalent to the registered source, the health and environmental risk profiles are expected to be similar to that of the product used to determine chemical equivalence. No additional assessments were required.

### Value Assessment

A value assessment is not required for technical grade active ingredient products.

### Conclusion

The PMRA has completed an evaluation of the subject application and has determined that it can support the registration of Clodinafop-propargyl Sinon Technical Active Ingredient.

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