

## Evaluation Report for Category B, Subcategory 1.1, 1.3 Application

**Application Number:** 2021-6069  
**Application:** Changes to Technical Grade Active Ingredient (Product Chemistry) – New Source, Same Registrant and Specifications  
**Product:** Technical Cyclaniliprole Insecticide  
**Registration Number:** 32861  
**Active ingredient (a.i.):** Cyclaniliprole  
**PMRA Document Number :** 3458994

### Purpose of Application

The purpose of this application was to add a new manufacturing method to one of the registered manufacturing sites for Technical Cyclaniliprole Insecticide.

### Chemistry Assessment

**Common Name:** Cyclaniliprole  
**IUPAC\* Chemical Name:** 2',3-dibromo-4'-chloro-1-(3-chloro-2-pyridyl)-6'-{[(1*RS*)-1-cyclopropylethyl]carbamoyl}-1*H*-pyrazole-5-carboxanilide  
**CAS† Chemical Name:** 3-bromo-*N*-[2-bromo-4-chloro-6-[[1-(1-cyclopropylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1*H*-pyrazole-5-carboxamide

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Technical Cyclaniliprole Insecticide has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	96.4%
Odour	Odourless
Density	1.57 at 20°C
Vapour pressure	$2.4 \times 10^{-6}$ Pa at 25°C
pH	5.9

Property	Result								
Solubility in water	0.12 mg/L in pH 5 buffer 0.10 mg/L in pH 7 buffer 0.18 mg/L in pH 9 buffer								
n-Octanol/water partition coefficient	<table border="1"> <thead> <tr> <th>pH</th> <th><math>\log K_{ow}</math></th> </tr> </thead> <tbody> <tr> <td>5</td> <td>2.8</td> </tr> <tr> <td>7</td> <td>2.4</td> </tr> <tr> <td>9</td> <td>2.0</td> </tr> </tbody> </table>	pH	$\log K_{ow}$	5	2.8	7	2.4	9	2.0
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The required chemistry data for Technical Cyclaniliprole Insecticide have been provided, reviewed, and found to be acceptable.

### Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

### Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to amend the registration of Technical Cyclaniliprole Insecticide.

### Additional Information Being Requested

Since this technical product is manufactured only at pilot scale before registration, five-batch data representing commercial-scale production at the approved manufacturing site will be required as post-market information after registration.

## References

### PMRA

#### Document

Number	Reference
3290161	2021, Product Chemistry Studies for Technical Cyclaniliprole (1KI-3106) - Series 61 -, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
3290162	2021, Product Chemistry Studies for Technical Cyclaniliprole (IKI-3106) - Series 62 -, DACO: 2.12.1,2.13,2.13.1,2.13.2,2.13.3 CBI
3329783	2021, Content analysis of [CBI Removed] in IKI-3106 TGAI, DACO: 2.13.4 CBI
3329784	Validation of analytical method for [CBI Removed] in IKI-3106 TGAI, DACO: 2.13.4 CBI

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