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Produktinformation



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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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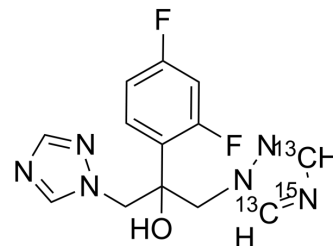
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Fluconazole-¹³C₂,¹⁵N

Cat. No.:	HY-B0101S1
CAS No.:	1309935-84-9
Molecular Formula:	C ₁₁ ¹³ C ₂ H ₁₂ F ₂ N ₅ ¹⁵ NO
Molecular Weight:	309.25
Target:	Isotope-Labeled Compounds; Fungal; Antibiotic; Bacterial
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Fluconazole-13C₂,15N (UK-49858-13C₂,15N) is the ¹³C and ¹⁵N labeled isotope of Fluconazole (HY-B0101). Fluconazole (UK-49858) is a triazole antifungal agent with excellent activities against a broad range of fungi, especially against *Candida albicans*. Fluconazole inhibits *C. albicans* and *Candida kefyr* with IC_{99s} range from 0.20 µg/mL to 0.39 µg/mL^[1].

REFERENCES

- [1]. H Yamaguchi, et al. [In vitro activity of fluconazole, a novel bistriazole antifungal agent]. *Jpn J Antibiot.* 1989 Jan;42(1):1-16.
- [2]. M A Pfaller, et al. Interpretive breakpoints for fluconazole and *Candida* revisited: a blueprint for the future of antifungal susceptibility testing. *Clin Microbiol Rev.* 2006 Apr;19(2):435-47.
- [3]. P G Sohnle, et al. Effect of fluconazole on viability of *Candida albicans* over extended periods of time. *Antimicrob Agents Chemother.* 1996 Nov;40(11):2622-5.
- [4]. A Louie, et al. Pharmacodynamics of fluconazole in a murine model of systemic candidiasis. *Antimicrob Agents Chemother.* 1998 May;42(5):1105-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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