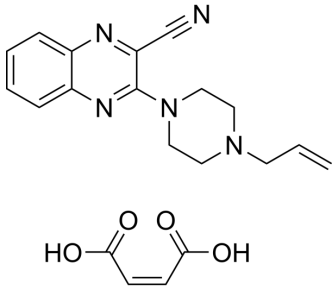
3-AQC

Cat. No.:	HY-101062
CAS No.:	201216-42-4
Molecular Formula:	$C_{20}H_{21}N_5O_4$
Molecular Weight:	395.41
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3-AQC, a piperazinylquinoxaline derivative, is a potent and competitive 5-HT_3 receptor antagonist[1].
IC_{50} & Target	5-HT_3 Receptor
In Vitro	3-AQC (compound 7e) is almost 2 orders of magnitude more potent than Tropisetron (HY-B0072). The pA2 of antagonism to 2-methyl-5HT in guinea pig ileum is 10.2[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. A Monge, et al. Novel antagonists of 5-HT3 receptors. Synthesis and biological evaluation of piperazinylquinoxaline derivatives. J Med Chem. 1993 Sep 17;36(19):2745-50.

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