

Catalog # 10-1190

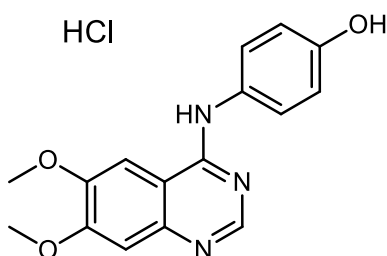
WHI-P131

CAS# 202475-60-3

4-[(4'-hydroxyphenyl)amino]-6,7-dimethoxyquinazoline

JANEX-1

Lot # A12907



JAK3 inhibitor. Inhibits human glioblastoma cell adhesion and invasion.¹ Increases survival in a mouse ALS model.² Delays or prevents autoimmune type 1 diabetes in NOD mice.³ Exhibits potent anti-inflammatory activity in mouse models of peritonitis, colitis, cellulitis and systemic inflammatory response syndrome.⁴ Displays protective effects against myocardial ischemia and reperfusion injury in mouse models.⁵

- 1) Narla *et al.* (1998), *Inhibition of human glioblastoma cell adhesion and invasion by 4-(4'-hydroxyphenyl)-amino-6,7-dimethoxyquinazoline (WHI-P131) and 4-(3'-bromo-4'-hydroxyphenyl)-amino-6,7-dimethoxyquinazoline (WHI-P154)*; *Mol. Clin. Cancer Res.*, **4** 2463
- 2) Trieu *et al.* (2000), *A specific inhibitor of janus kinase-3 increases survival in a transgenic mouse model of amyotrophic lateral sclerosis*; *Biochem. Biophys. Res. Commun.*, **267** 22
- 3) Cetkovic-Cvrlje *et al.* (2003), *Targeting JAK3 with JANEX-1 for prevention of autoimmune type 1 diabetes in NOD mice*; *Clin. Immunol.*, **106** 213
- 4) Uckun *et al.* (2008), *Anti-inflammatory activity profile of JANEX-1 in preclinical animal models*; *Bioorg. Med. Chem.*, **16** 1287
- 5) Oh *et al.* (2013), *Inhibition of Janus activated kinase-3 protects against myocardial ischemia and reperfusion injury in mice*; *Exp. Mol. Med.*, **45** e23

PHYSICAL DATA

Molecular Weight:	333.78
Molecular Formula:	C ₁₆ H ₁₅ N ₃ O ₃ · HCl
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

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