



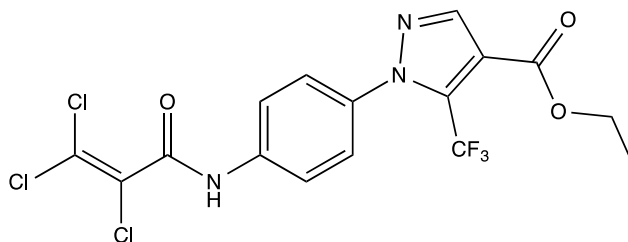
Catalog # 10-1077

Pyr3

CAS# 1160514-60-2

1-[4-[(2,3,3-Trichloro-1-oxo-2-propen-1-yl)amino]phenyl]-5-(trifluoromethyl)-1H-pyrazole-4-carboxylic acid

Lot # X102889



Selective antagonist of the TRP canonical 3 channel (TRPC3)¹ which can function as a receptor-operated channel². A useful tool for dissecting GPCR-downstream signaling mechanisms.³ May be effective in reducing cardiac hypertrophy.²

- 1) Kiyonaka *et al.* (2009), *Selective and direct inhibition of TRPC3 channels underlies biological activities of a pyrazole compound*; Proc. Natl. Acad. Sci. USA., **106** 5400
- 2) Eder and Molkentin (2011), *TRPC channels as effectors of cardiac hypertrophy*; Circ. Res., **108** 265
- 3) Sabourin *et al.* (2012), *Activation of transient receptors potential canonical 3 (TRPC3)-mediated Ca²⁺ entry by A1 adenosine receptor in cardiomyocytes disturbs atrioventricular conduction*; J. Biol. Chem., **287** 26688

PHYSICAL DATA

Molecular Weight: 456.64
Molecular Formula: C₁₆H₁₁Cl₃F₃N₃O₃
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 40 mg/ml)
Physical Description: Off-white solid
Storage and Stability: Store as supplied 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 3 months.

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