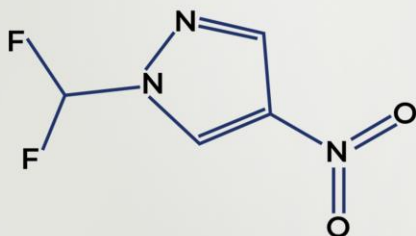


1-(DIFLUOROMETHYL)-4-NITRO-1H-PYRAZOLE



PRODUCT IN FOCUS



1-(Difluoromethyl)-4-nitro-1H-pyrazole

INTRODUCTION

1-(Difluoromethyl)-4-nitro-1H-pyrazole is a difluoromethyl aromatic compound with an active nitro group for reduction. It is used as an organic synthesis key starting material and intermediate in APIs.

Manufacture

It is manufactured by difluoromethylation of 4-nitro-1H-pyrazole.

Applications

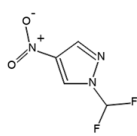
APIS

1-(Difluoromethyl)-4-nitro-1H-pyrazole is used in synthesis of the following APIS:

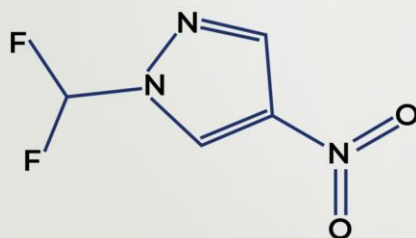
- Heterocyclic p2' groups as factor XIa inhibitors
- NLRP3 inflammasome modulators for the treatment of inflammatory, autoinflammatory, autoimmune and neoplastic diseases
- an FXIa inhibitor treating thromboembolic disorders
- Milvexian- anticoagulant

Intermediates

- 1-(difluoromethyl)-1H-pyrazole-4amine

Synonym	N-difluoromethyl-4-nitropyrazole; 1H-Pyrazole, 1-(difluoromethyl)-4-nitro-
CAS No.	956477-64-8
EINECS No.	818-063-5
Molecular weight	163.08
Structure	

1-(DIFLUOROMETHYL)- 4-NITRO-1H-PYRAZOLE



PRODUCT IN FOCUS



SPECIFICATIONS

Test	Unit	Specifications
Appearance	-	Pale yellow to yellow oil
Identification (By ¹ H NMR) (CDCl ₃)	-	Should conform to the structure
Related Substance (By GC)	-	-
Purity	%	NLT 99
Single max unknown impurity	%	NMT 0.5
DMF	%	NMT 0.5
Moisture content	%	NMT 0.5

STORAGE

Stored at ambient temperature

PACKING

25 Kg HDPE Carboys

REACH Status

Not registered

ExSyn offers 1-(Difluoromethyl)-4-nitro-1H-pyrazole on commercial scales and welcomes enquiries. No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.