

PRODUCT IN FOCUS



2-Amino-6-fluorobenzonitrile

INTRODUCTION

2-Amino-6-fluorobenzonitrile is a powder form chemical that has multiple uses ranging from medicine to intermediates to APIs. The structure of the compound depicts that it has an active fluorine atom in o-position to the nitrile group and this renders the molecule reactive. It thus participates in many synthetic processes.

Manufacture

The product is manufactured by ammonolysis of 2,6-difluorobenzonitrile.

Applications in Medicine

The halobenzonitrile is used to make medicinal products such as:

- ✔ Novel Huprines
- ✔ Tacrine-related compounds
- ✔ Antifolates

Applications in APIs

The nitrile acts as a KRM in production of APIs such as:

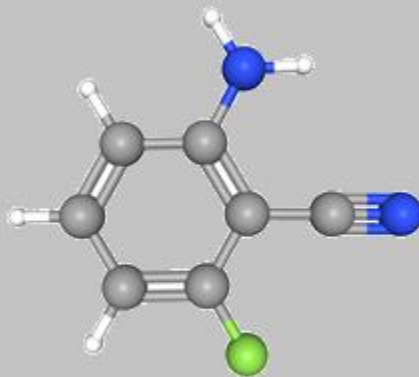
- ✔ Pazopanib
- ✔ Dovitinib
- ✔ Dovitinib lactic acid salt
- ✔ Antibacterial quinazolines

Applications in Intermediates

A few important intermediates are also synthesized from 6-fluoroanthranilonitrile:

- ✔ (4-Oxoquinazolin-2-yl)pyridine
- ✔ 2-Amino-6-bromobenzonitrile
- ✔ N-(2-cyano-3-fluorophenyl)pyrrole
- ✔ 2-F-6-piperidinobenzonitrile
- ✔ 2-Amino-6-fluorobenzoic acid
- ✔ 5-Fluoro-1H-quinazoline-2,4-dione
- ✔ 5-Fluoro-2,4-diaminoquinazoline

Synonyms	6-Fluoroanthranilonitrile 6-Fluoro-2-aminobenzonitrile
CAS no.	77326-36-4
EINECS no.	616-451-7
Molecular formula	C ₇ H ₅ N ₂ F
Molecular weight	136.13
Structure	



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SPECIFICATIONS

Test	Unit	Specification
Appearance	-	Grey to light yellow solid
Purity	%	Min 99.0
Moisture	%	Max 0.5
Melting Range	°C	120.0 - 128.0

STORAGE

The product is stored at ambient temperature

PACKING

25 kg drum

REACH Status

Not registered yet

ExSyn offers 2-amino-6-fluorobenzonitrile 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.