

**Paper:**

Sensitives of Some Imidazole-1-sulfonyl Azide Salts, Niko Fischer et al, The Journal of organic Chemistry, published January 2012

**Bild:**

Azid-D

**Approach:**

	M[g/mol]	Density [g/cm <sup>3</sup> ]	Amount	n[mmol]	Eq
Sulfuryl chloride	134,97	1,67	1,24 ml	15,38	1
NaN <sub>3</sub>	65,01	-	1,00g	15,38	1
Imidazole	68,08	-	2,09g	30,76	2

Sulfuryl chloride (1,24 ml; 15,38 mmol) was added dropwise to an ice-cooled suspension of Natrium azide (1,00 g, 15,38 mmol) in 150 ml Acetonitrile.

The suspension was stirred at room temperature overnight.

Imidazole (2,09 g; 30,76 mmol) was added portion wise to the ice-cooled mixture.

It was stirred for three hours at room temperature.

The solution was diluted with 300 ml EtOAc, washed with H<sub>2</sub>O and saturated with Brine.

It was dried over NaHCO<sub>3</sub> and filtered.

3,9 g H<sub>2</sub>SO<sub>4</sub> in 20 ml ice-cooled EtOA was added dropwise.

It was stirred for one hour.

The crude product was filtered and dried.