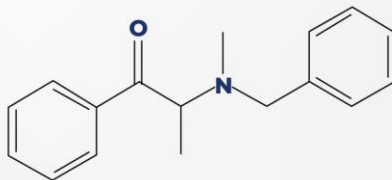


2-(BENZYLMETHYLAMINO)-1-PHENYLPROPANONE



PRODUCT IN FOCUS



2-(Benzylmethylamino)-1-phenylpropanone

INTRODUCTION

2-(Benzylmethylamino)-1-phenylpropanone is an organics intermediate from ketone category. It is a compound with notable pharmacological potential and itself has excellent cytotoxic properties. In trade, the chemicals is referred to as AMK.

Manufacture

2-(Benzylmethylamino)-1-phenylpropanone is manufactured by condensation of N-methylbenzylamine with bromopropiophenone, the latter is in turn produced from propiophenone.

Applications

APIs

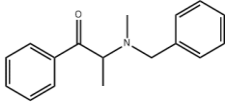
- Pseudoephedrine HCl
- Methcathinone
- Anticancer drugs with more tumor selectivity

Intermediates

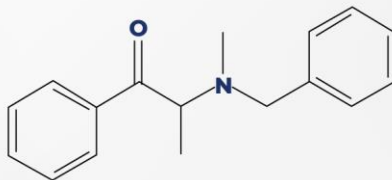
- 1-[4-(2-Aminoethoxy)phenylcarbonyl]-3,5-bis(benzylidene)-4-piperidone

Others

- Agrochemicals
- Material science
- Building block for novel polymers and ion exchange resins
- Proteomic research

Synonym	AMK N-Benzyl-N-methylamino-propiophenone
CAS no.	16735-30-1
EINECS no.	Not available
Molecular formula	C ₁₇ H ₁₉ NO
Molecular weight	253.34
Structure	

2-(BENZYLMETHYLAMINO)-1-PHENYLPROPANONE



PRODUCT IN FOCUS



SPECIFICATIONS

Test	Unit	Specification
Appearance	-	Yellowish crystalline powder
Identification by IR	-	IR spectrum is concordant with standard
Solubility	-	Soluble in chloroform; insoluble in water
Melting point	°C	43.0 – 46.0
Loss on drying	%	Max 3.5
Water	%	Max 3.5
ROI	%	Max 0.2
HPLC Purity		
Propiophenone	%	Max 0.5
Bromopropiophenone	%	Max 0.5
Unspecified impurities	%	Max 0.5
Total impurities	%	Max 1.0
HPLC purity	%	Min 99.0

STORAGE

Stored at 2 – 8°C

PACKING

200 kg drum

REACH Status

Not registered

ExSyn offers 2-(benzylmethylamino)-1-phenylpropanone on commercial scales under refrigerated transport 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.