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## Typical Product Specifications & Properties

# Benzoic acid, o-[[p-(dimethylamino)phenyl]azo]-

CAS Number: : 493-52-7

| Specifications               | Limits                                                                                         |
|------------------------------|------------------------------------------------------------------------------------------------|
| Molecular weight             | 269.30                                                                                         |
| EINECS                       | 207-776-1                                                                                      |
| SMILES                       | <chem>c1(c(cccc1)C(O)=O)\N=N\c1ccc(N(C)C)cc1</chem>                                            |
| InChI                        | 1S/C15H15N3O2/c1-18(2)12-9-7-11(8-10-12)16-17-14-6-4-3-5-13(14)15(19)20/h3-10H,1-2H3,(H,19,20) |
| InChIKey                     | CEQFOVLGLXCDCX-UHFFFAOYSA-N                                                                    |
| pKa Dissociation Constant    | 2.63                                                                                           |
| Henry's Law Constant         | 4.71E-12 atm-m <sup>3</sup> /mole                                                              |
| Vapor Pressure               | 1.44E-07 mm Hg                                                                                 |
| Atmospheric OH Rate Constant | 1.50E-10 cm <sup>3</sup> /molecule-sec                                                         |
| log P (octanol-water)        | 3.830                                                                                          |
| Melting Point                | 183 &deg; C                                                                                    |
| Water solubility             | 3.670 mg/L                                                                                     |



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